

SUN 18 CHG 19

CONVAIR - SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 11 November 1959

SO No: 880-2-219

Reference: (a) Delta letter file 142 dated 2 November 1959
(b) Commercial Change Proposal No. 265
(c) MCL No. 10,434
(d) D. I. B. No. 4,010, Revised 27 May 1959

WO No: 30,000 Series

W.T. INCREASE
J.

CONVAIR 880 - DELTA

APPLICATION OF PREVENTATIVE COATING TO EXTERIOR ALUMINUM

ALLOY SURFACES

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL No. 10,434, reference (c). Delta airplane numbers 1 thru 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/9/59) per reference (d). The reference (b) CCP however is approved contingent upon the following revision:
- b. One coat white pigmented "Epoxy" top coat, Spec. 0.03021 Type II
- (3) This change has no affect on performance, contract price, delivery schedule and results in a weight increase in guaranteed weight empty of 100 pounds.

RLW:dm

R. D. Wintinger
for D. H. Digges
Manager of Commercial Contracts

Log No. 2911

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

12 November 1959

No. #183
Model 22-2

Reference: (a) S. O. 880-2-219 dated 11 November 1959
(b) Commercial Change Proposal No. 265
(c) MCL No. 10,434

APPLICATION OF PREVENTATIVE COATING TO EXTERIOR ALUMINUM ALLOY SURFACES

Delta Air Lines has accepted by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,434, Reference (c). Delta Airplane Numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b), revised as follows:


This change has no effect on specification language, and consists of painting all bare exterior surfaces, except where peculiar conditions require alternate treatment, and proposes the following paints:

- a. One coat "Epoxy" prime, Spec. O-03021- Type I
- b. One coat white pigmented "Epoxy" top coat, Spec. O.03021-Type II

This change results in a weight increase in guaranteed weight empty of 100 pounds.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JEB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

SUM 18 CHG 19

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 5 November 1959

SO No: 880-2-218

Reference: (a) Delta letter file 142 dated
3 November 1959
(b) Commercial Change Proposal No. 259A
(c) MCL No. 10,454
(d) D.I.B. No. 4,010, Revised 27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(MISCELLANEOUS REVISION TO SPECIFICATION LANGUAGE)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL No. 10,454, reference (c). Delta airplane numbers 1 thru 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/3/59) per reference (d).
- (3) This change has no affect on performance, contract price, delivery schedule or aircraft weight.

SJH:dc

Log No. 2851


for J. H. Digges
Manager of Commercial Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

10 November 1959

No. 181
Model. 22-2

Reference: (a) S. O. 880-2-218 dated 5 November 1959
(b) Commercial Change Proposal No. 259A
(c) MCL No. 10,454

MISCELLANEOUS REVISION TO SPECIFICATION LANGUAGE


Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,454, Reference (c). Delta airplane numbers 1 through 10 are affected by this change.

This change revises the instrument panels to agree with the present released installation and corrects the part numbers of the fuel quantity probes and the fuel drain valves in the Appendix I-C.

ACTION:

Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSD:JMC:18


J. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

SUM 18 CHG 19

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 5 November 1959

SO No: 880-2-217

Reference: (a) Delta Letter file 142 dated
3 November 1959

WO No: 30,000 Series

(b) Commercial Change Proposal No. 261

(c) MCL No. 10,404

(d) D.I.B. No. 4,010, Revised 27 May 1958

CONVAIR 880 - DELTA

LANDING GEAR CONTROL REVISION

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL No. 10,404, reference (c). Delta airplane numbers 1 thru 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/3/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

SJH:dc

Log No. 2852


for D. H. Digges
Manager of Commercial Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

10 November 1959

No. 180
Model. 2202

Reference: (a) S. O. 880-2-217 dated 5 November 1959
(b) Commercial Change Proposal No. 261
(c) MCL No. 10,404

LANDING GEAR CONTROL REVISION

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,404, Reference (c).

DESCRIPTION OF CHANGE:

Page 32, Para. 3.8.1.2 - CONTROLS:

Add the following after the fourth sentence:

"An integral pawl device shall be installed to hold the emergency gear handle in the "valve-vented" position until moved by the flight crew. Controls shall be installed to reset the hydraulic systems and restore the landing gear to normal operating condition following an emergency extension."

Page A-10, APPENDIX I-C, HYDRAULIC EQUIPMENT:

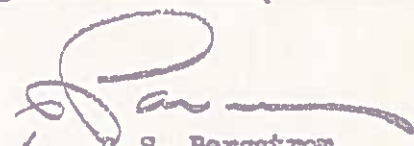
Revise the below items in the Description List as follows:

<u>From:</u>	"1 M/G Selector Valve	Berten	39800-5001
	1 M/G Selector Valve	Peacock	51200"
<u>To:</u>	"1 M/G Selector Valve	Berten	39800-5003
	1 M/G Selector Valve	Peacock	51200-3"

Add: the following item to the Description List:

"1 Valve, Door Open, Emergency	Kidde	891507"
--------------------------------	-------	---------

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


J. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

SUM 17 CHG 18

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 5 November 1959

SO No: 880-2-216

Reference: (a) Delta letter file 142 dated
3 November 1959

WO No: 30,000 Series

(b) Commercial Change Proposal No. 268

(c) MCL No. 10,457

(d) D.O.B. No. 4,010, Revised 27 May 1958

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(DELETION OF PLACARDS FROM READING LIGHT SWITCHES)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL No. 10,457, reference (c). Delta airplane numbers 1 thru 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/3/59) per reference (d).
- (3) This change has no affect on performance, contract price, delivery schedule or aircraft weight.

SJH:dc

Log No. 2853


for D. H. Digges
Manager of Commercial Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

10 November 1959

No. 179
Model. 22-2

Reference: (a) S. O. 880-2-216 dated 5 November 1959
(b) Commercial Change Proposal No. 268
(c) MCL No. 10,457

DELETION OF PLACARDS FROM READING LIGHT SWITCHES

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,457, Reference (c).

DESCRIPTION OF CHANGE:

Page 76, Para. 3.16.8.3.4 READING LIGHTS:


Revise the fourth sentence as follows:

From: "The "on-off" switch for each light shall be located adjacent to the light and placarded to clearly indicate its function.

To: "The "on-off" switch for each light shall be located adjacent to the light."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

Sum 17 CHG 18

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 16 November 1959
Revised: 27 November 1959
SO No: 850-2-215

- References: (a) Delta Letter File 142 dated 9 November 1959
(b) Commercial Change Proposal No. 264
(c) MCL No. 10,389
(d) D.I.E. No. 4,010, Revised 27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

CUSTOMER FURNISHED FLIGHT DATA

REORDER, INSTALLATION OF

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,389, reference (c). Delta airplane numbers 1 thru 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlines in reference ().
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/21/59) per reference (d).
- (3) This change results in an increase in guaranteed weight empty of 32 lbs. but does not affect performance or delivery schedule.
- (4) Delta Air Lines will supply the ten (10) flight data recorders, P/N 4001550 (Model C), and ten (10) amplifiers, P/N 4001551, on or before the following schedule:

<u>DAL Ship No.</u>	<u>Need date</u>	<u>DAL Ship No.</u>	<u>Need date</u>
1	2-25-60	6	3-15-60
2	11-27-59	7	5-16-60
3	12-21-59	8	6-21-60
4	1-28-60	9	7-20-60
5	2-8-60	10	8-11-60

Purchasing Dept. will issue two no-charge purchase orders (570846-SD and 570847-SD) to DAL to confirm the shipment of the recorders and amplifiers from Delta to Convair. The confirming purchase orders will be forwarded to J. F. Nyeum, Manager Flight Equipment Development, Delta Airlines Office, c/o Douglas Aircraft Company, Santa Monica, Calif. Purchasing Dept. will send a copy of the confirming purchase order to Commercial Contracts Dept. - Attention: S. J. Harris, Mail Zone 10-10, also a copy of receiving report when material is received at Convair.

Sub: 104

Log No. ---- 3052

Revised to add Paragraph (5)

[Signature]
S. J. Harris
Manager of Commercial Contracts

flara)

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA AIR LINES
MINUTES

24 November 1959

No. 184
Model. 22-2

Reference: (a) S. O. 880-2-215 dated 16 November 1959
(b) Commercial Change Proposal No. 264
(c) MCL No. 10,389

CUSTOMER FURNISHED FLIGHT DATA RECORDER, INSTALLATION OF

Delta Air Lines has accepted by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,389, Reference (c).

Delta Airplane Numbers 1 through 10 are affected by this change.

This change will result in an increase in guaranteed weight empty of 32 lbs. per airplane.

DESCRIPTION OF CHANGE:

Page 62 (Cont), Paragraph 3.14.3.8 - FLIGHT DATA RECORDING PROVISIONS:

Delete the paragraph and paragraph title and substitute the following:

"FLIGHT DATA RECORDER: A Customer furnished Lockheed Air Service Flight Recorder No. 4001550 Model C, and Customer furnished Amplifier No. 4001551 shall be installed with the necessary wiring, static and pitot lines in the hydraulic compartment.

Page 62E, PITOT STATIC SYSTEM SCHEMATIC:

Above illustration will be revised to show Flight Data Recorder.

Page A-0, APPENDIX I-B, FURNISHINGS:

Add the following to Page A-0, over APPENDIX I-B:

"APPENDIX I-A

CUSTOMER FURNISHED - CONVAIR INSTALLED EQUIPMENT:

Quan Reqd.	Description	Manufacturer	Part or Spec. Number	Weight
1	Flight Data Recorder	Lockheed Air Service	4001550 (Model C)	28.2 lb.
1	Amplifier	Lockheed Air Service	4001551	3.8 lb.

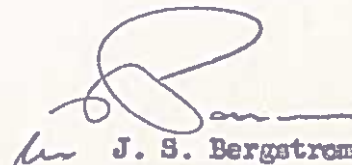
RECEIVED

NOV 30 '59

PROJECT
SPEC.
GROUP

24 Nov. 1959

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


J. S. Bergstrom
Project Engineer
6-115

JSB:JMC:is

SUM 17 CHG 18

Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 27 November 1959
Revised: 27 November 1959
Revised: 17 November 1959
SO No: 880-2-214

Reference: (a) Delta letter file 142 dated
3 November 1959
(b) Commercial Change Proposal No. 266
(c) MCL No. 10,431
(d) C-1-B. No. 4,010, Revised 27 May 1958

WO No. 30,000 Series

CONVAIR 880 - DELTA

CONVAIR INSTALLATION OF CUSTOMER FURNISHED

WILCOX 7440 ATC TRANSPONDER UNITS

- 1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,431, reference (c). Delta airplane numbers 1 thru 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- 2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/3/59) per reference (a).
- 3) This change results in an increase in guaranteed weight empty of 18 lbs., but does not affect performance or delivery schedule.
- 4) Delta Air Lines will supply the twenty (20) Wilcox ATC transponder units on or before the following schedule:

2 Units - 6 November 1959
8 Units - 26 December 1959
10 Units - 4 January 1960

Purchasing Department will issue a no-charge purchase order (No. 614106) to DAL to confirm the shipment of the transponders from Delta to Convair. The confirming purchase order will be forwarded to J. E. Nyman, Manager Flight Equipment Development, Delta Airlines Office, c/o Douglas Aircraft Company, Santa Monica, Calif. Purchasing Department will send a copy of the confirming purchase order to Commercial Contracts Dept. - Attention: S. J. Harris, Mail Room 10-10, and a copy of receiving report when material is received at Convair.

1-2-11

Doc No. 3302 - 3092

Revised to add last phrase, para. 4.

Revised to add paragraphs (6) (7), Page 2 of 2

S. J. Harris
for S. J. Harris
Manager of Commercial Contracts

CONVAIR-SAN DIEGO

SALES ORDER

Sold To: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Revised: 27 November 1959
Date: 5 November 1959
Revised: 17 November 1959
SO No: 880-2-214

References: (a) Delta letter file 142 dated
3 November 1959
(b) Commercial Change Proposal No. 266
(c) MCL No. 10,431
(d) D.I.B. No. 4,010, Revised 27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

CONVAIR INSTALLATION OF CUSTOMER FURNISHED

WILCOX 714 B ATC TRANSPONDER UNITS

- (6) The estimated value for insurance purposes only is \$2,300.00 each.
- (7) DAL has agreed that manuals and handbooks will not be revised to reflect this change.

WJH:ks

Revised to add paragraph (6)(7)

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

11 November 1959

No. 182
Model. 22-2

References: (a) S. O. 880-2-214 dated 5 November 1959
(b) Commercial Change Proposal No. 266
(c) MCL No. 10,431

CONVAIR INSTALLATION OF CUSTOMER FURNISHED

WILCOX 714B ATC TRANSPONDER UNITS

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,431, Reference (c).

Delta Airplane Numbers 1 thru 10 are affected by this change.

This change results in an increase in guaranteed weight empty of 48 lbs. but does not affect performance or delivery schedule.

Description of Change:

Page 86, Para. 3.16.17 - ESSENTIAL POWER:

Add the following item under "Radio - (All)"
"12. ATC Transponder Beacon (Dual)"

Page 90, Para. 3.17.1 - EQUIPMENT

Revise the first sentence to read as follows:

"The following radio and radar systems shall be furnished, except as noted, and installed by the Contractor."

Add the following item to the "Description List":

"Dual - ATC Transponder Beacon System (Customer Furnished)"

Delete the following item under "Complete provisions for the following systems shall be made":

"Dual - ATC Transponder Beacon System"

Page 102, Para. 3.17.4.4 - RADAR SAFETY BEACON:

Delete the para. and substitute the following:

"A dual - ATC transponder beacon shall be installed. Both installations shall conform to ARINC Characteristic No. 532A."

Page A-0, APPENDIX I-A, CUSTOMER FURNISHED-CONVAIR INSTALLED EQUIPMENT:

Add the following item to APPENDIX I-A:

"Dual - ATC Transponder Beacon	@ 24.0 lbs.	48.0 lbs."
--------------------------------	-------------	------------

ACTION: All concerned are authorized to proceed with the above. Spec. Group to forward revised pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer

CONVAIR-SAN DIEGO

SUN 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 19 October 1959

SO No: 880-2-213

Reference: (a) Delta letter file 142 dated
13 August 1959
(b) Commercial Change Proposal No. 234
(c) MCL No. 10,395
(d) D.O.B. No. 4,010, Revised 27 May 1958

WO No: 30,000 Series

CONVAIR 880 -- DELTA

TWO HIGH ENERGY IGNITION SYSTEM, INSTALLATION OF

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,395, reference (c). Delta airplanes numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/16/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

SJH:dc

Log No. 2692


for D. H. Digges
Manager of Commercial Contracts

CONVAIR-SD

SUM 17 CHG 18

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 October 1959

SO No: 880-2-212

Reference: (a) Delta letter file 142 dated
9 October 1959
(b) Commercial Change Proposal No. 256
(c) MCL No. 10,419
(d) D.I.B. No. 4,010, Revised 27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

PASSENGER CABIN AND CLUB AREA INTERIOR, CHANGES TO

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,419, reference (c) on the condition that Proposal A under the Description of Change be corrected to read as follows: "This proposal has no effect on specification language, and consists of removing gold mylar under valance lights in passenger cabin and club area, and replacing with a valance trim panel covered with ten-ounce vinyl coated fibreglas. Customer finish specification will be revised to show this change on approval of this proposal. CC 1374 Tile Orange for club area window valance trim color; and CC 1327 Sungold (257403) for cabin window valance trim color have been selected and approved by the customer. Samples of these trim materials will be provided for customer inspection."
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/10/59) per reference (d).
- (3) This change results in an increase in guaranteed weight empty of 17 lbs. but does not affect performance, contract price or delivery schedule.

SJH:ds

Log No: 2662


E. D. Digges
Manager of Commercial Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

16 October 1959

No. 177
Model. 22-2

Reference: (a) S. O. 880-2-212 dated 13 October 1959
(b) Commercial Change Proposal No. 256
(c) MCL No. 10,419

PASSENGER CABIN AND CLUB AREA INTERIOR, CHANGES TO

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,419, Reference (c).

DESCRIPTION OF CHANGE:

Proposal "A"

This proposal has no effect on specification language, and consists of removing gold mylar under valance lights in passenger cabin and club area, and replacing with a valance trim panel covered with ten ounce vinyl coated fibreglas, or aluminum valance trim. Customer finish specification will be revised to show this change on approval of this proposal. CC 1374 Tile Orange for club area window valance trim color, and CC 1327 Sungold (257403) for cabin window valance trim color have been selected and approved by the Customer. Samples of these trim materials will be provided for Customer inspection."


Proposal "B"

This proposal has no effect on specification language, and consists of deleting pip pin retention strap from club area seat legs.

This change results in an increase in guaranteed weight empty of 17 lbs.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. B. Bergstrom
Project Engineer
6-115

RECEIVED
OCT 21 '59
PROJECT
SPEC.
GROUP

Ground School Schedule
NO SPEC PAGE REVISION

1. The following is a list of the names of the students who are enrolled in the Ground School course at the Naval Air Station, Jacksonville, Florida, for the year 1950-1951.

*Revised: 26 October 1950
*Revised: 2 November 1950

2. The following is a list of the names of the students who are enrolled in the Ground School course at the Naval Air Station, Jacksonville, Florida, for the year 1950-1951.

GROUND SCHOOL SCHEDULE

FLIGHT AND FLIGHT RECOVERY COURSE - 1950-1951

- (1) The following is a list of the names of the students who are enrolled in the Ground School course at the Naval Air Station, Jacksonville, Florida, for the year 1950-1951.

CLASS	SCHEDULE DATES	NO. OF STUDENTS	TYPE OF COURSE
1	Nov. 1 - 15, 1950	15 Pilots	15 Pilots
2	Nov. 2 - 17, 1950	15 Pilots	15 Pilots
3	Nov. 23 - Dec. 13, 1950	15 Pilots	15 Pilots

4. The following is a list of the names of the students who are enrolled in the Ground School course at the Naval Air Station, Jacksonville, Florida, for the year 1950-1951.

- (2) The following is a list of the names of the students who are enrolled in the Ground School course at the Naval Air Station, Jacksonville, Florida, for the year 1950-1951.

- (2a) This authorization includes 50 hours of premium time on the procedures trainer in order to provide the number of hours indicated for each of the above classes.

2842

*Revised to add subparagraph (2a).
*Revised to change prices in paragraph (2)

UNITED STATES AIR FORCE

Revised: 16 October 1959

Revised: 4 November 1959

[Handwritten signature]

[Handwritten signature]

For J. R. Ligon
Manager of Commercial Operations

SUM 17 CHG 18 Jue 9 mos.
SALES ORDER

Date: 10 September 1959

SO No. 880-2-209

Reference: (a) Delta TWX dated 9 Sept. 1959
(b) Commercial Change Proposal NO. 228A
(c) MCL No. 10,393
(d) D.I.B. No. 4,010 Revised 27 May 1958

WO No. 30,000 Series

PASSENGER SEAT BELTS, REVISION TO

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,393, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/8/59) per reference (d).
- (3) This change has no affect on performance, delivery schedule or aircraft weight.

SJH:de

Log No: 2387

for D. H. Digges
Manager of Commercial Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

14 October 1959

No. 176
Model. 22-2

Reference: (a) S. O. 880-2-210 dated 7 October 1959
(b) Commercial Change Proposal No. 260
(c) MCL No. 10,456

(VG RECORDERS, DELETION OF REFERENCE TO CONVAIR
PRODUCTION NUMBERS OF AIRPLANES WITH PROVISIONS FOR)

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,456, Reference (c).

Description of Change:


Revise the bottom footnote on Page 62 (cont) as follows:

From: "***The specific airplanes on which the VG recorder shall be installed will be Convair Production airplanes 36, 37, 38 and 40 (Delta airplanes 7, 8, 9 and 10)"

To: "***The specific airplanes on which the VG recorder shall be installed will be Delta airplanes 7, 8, 9 and 10".

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JEB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

RECEIVED
OCT 16 '59
PROJECT
SPEC.
GROUP

Sum 17 CH 6 18

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 7 October 1959

SO No: 880-2-210

Reference: (a) Delta letter file 142 dated
6 October 1959
(b) Commercial Change Proposal No. 260
(c) MCL No. 10,456
(d) D.I.B. No. 4,010, Revised 27 May

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(VG RECORDERS, DELETION OF REFERENCE TO CONVAIR

PRODUCTION NUMBERS OF AIRPLANES WITH PROVISIONS FOR)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,456, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/4/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

SJH:dc

Log No: 2594


for D. H. Digges
Manager of Commercial Contracts

CONVAIR-SAN DIEGO

50M 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 10 September 1959

SO No: 880-2-208

Reference: (a) Delta letter file 142 dated 8 September 1959
(b) Commercial Change Proposal No. 252
(c) MCL No. 10,349
(d) D.I.B. No. 4,010, Revised 21 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

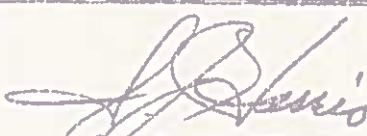
SPECIFICATION ADMINISTRATIVE CHANGE

(DELETE "WIREKON" DESIGNATION FROM PARAGRAPH 3.16.5)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,349, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/8/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

SJH:de

Log No. 2386


for D. H. Digges
Manager of Commercial Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

15 September 1959

No. 174
Model. 22-2

Reference: (a) S. O. 880-2-208 dated 10 September 1959
(b) Commercial Change Proposal No. 252
(c) MEL NO. 10,349

SPECIFICATION ADMINISTRATIVE CHANGE (DELETE "WIRELOE" DESIGNATION FROM PARAGRAPH 3.16.6)

Delta Air Lines has accepted by Reference (a), our Proposal, Reference (b), prepared in accordance with MEL 10,349, Reference (c).

Description of Change:

Page 70, Paragraph 3.16.6 BONDING AND SHIELDING:


Revise the second sentence as follows:

From: "Bonding exposed to the windstream shall be "Wirelo" or equivalent."

To: "Bonding exposed to the windstream shall be in accordance with MB-25083."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

SUM 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 8 September 1959

SO No: 880-2-207

Reference: (a) Delta letter file 142 dated
8 September 1959

WO No: 30,000 Series

(b) Commercial Change Proposal No. 247

(c) MCL No. 10,345

(d) D.I.B. No. 4,010, Revised 27 May 1958

CONVAIR 880 - DELTA


SPECIFICATION ADMINISTRATIVE CHANGE

(REVISION TO ESSENTIAL POWER OF HF TRANSMITTER)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,345, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/8/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

SJH:dc

Log No. 2385


for D. F. Digger
Manager of Commercial Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

15 September 1959

No. 173
Model. 22-2

Reference: (a) S. O. 880-2-207 dated 8 September 1959
(b) Commercial Change Proposal No. 247
(c) MCL No. 10,345

SPECIFICATION ADMINISTRATIVE CHANGE (REVISION TO ESSENTIAL POWER OF HF TRANSMITTER)

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,345.

Description of Change:

Page 86, Paragraph 3.16.17 ESSENTIAL POWER:

Delete the following item under "Radio (ALL)", and renumber the remaining items 1 through 11:

"3. HF Transmitter"

Page 96, Paragraph 3.17.1.7.1 D-C POWER CONTROL:


Revise the fourth sentence as follows:

From: "The dc power controlled by the "Essential" switch shall supply the No. 2 VHF communication equipment, the No. 1 VHF navigation equipment and the HF equipment."

To: "The d-c power controlled by the "Essential" switch shall supply the No. 2 VHF communication equipment and the No. 1 VHF navigation equipment."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Forgeston
Project Engineer
6-115

9-15

CONVAIR-SAN DIEGO

SUM 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc
Atlanta Municipal Airport
Atlanta, Georgia

Date: 1 September 1959

SO No: 880-2-206

Reference: (a) Delta letter file 142 dated 31 August 1959
(b) Commercial Change Proposal No. 244
(c) MCL No. 10,342
(d) D.I.B. No. 4,010, Revised 27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(REVISION TO MAIN LANDING GEAR SCHEMATIC)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,342, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/29/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

SJH:dc

Log No 2113


for B. H. Digges
Manager - Commercial Contracts

RECEIVED

SEP 3 '59

PROJECT
SPEC.
GROUP

VSA

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

8 September 1959

No. 172
Model. 22-2

Reference (a) S. O. 880-2-206 dated 1 September 1959
(b) Commercial Change Proposal No. 244
(c) MCL NO. 10,342

SPECIFICATION ADMINISTRATIVE CHANGE (REVISION TO MAIN LANDING GEAR SCHEMATIC)

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,342, Reference (c).

Description of Change:

Page 38a, FIGURE 3.8-1 MAIN LANDING GEAR SYSTEM:

Replace above illustration in specification with
Revised Schematic dated 6-24-59.

tions Group to forward revised specification pages to Contracts
within four weeks of Sales Order date.

JSB:JM:is


J. S. Bergstrom
Project Engineer
6-115

9/8/59

RECEIVED

SEP 11 '59

PROJECT
SPEC.
GROUP

6-122

CONVAIR-SAN DIEGO

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines Inc.
Atlanta Airport
Atlanta, Georgia

Date: 26 August 1959

SO No: 880-2-205

Reference: (n) Delta Air Lines letter
file 142 dated 25 August 1959

WO No: 30,000 Series

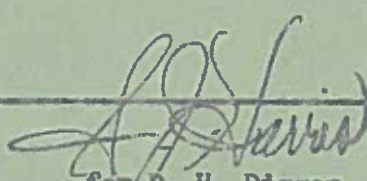
CONVAIR 880 - DELTA AIR LINES

CHANGE ORDER NO. 14

- (1) Attached is a copy of Change Order No. 14 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. ZD-22-003 dated 20 September 1956 to incorporate Specification Change Nos. 130C, 159, 160, 167A, 169, 172, 173A, 174, 175, 176, 177 and Commercial Change Proposal Summary No. 13 on the Delta Air Lines' Convair 880 aircraft.

SJH:ds

Log No 2265


for D. H. Digges
Manager of Commercial Contracts

880 Project Office (w/attach (2))
Commercial Sales (w/attach)
H. A. Keyes (w/attach)
Contracts Staff Section (w/attach)
J. Doig (w/attach)
E. E. Johnson (w/attach)
J. J. Jodka (w/attach)

W. F. Brown (w/attach (2))
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company (w/attach)
Change Order File No. ~~14~~
A. J. Braidie
G. T. Bovee (w/attach)

PROJECT
SPEC.
GROUP

PROJECT
SPEC.
GROUP

AUG 31 '59

AUG 28 '59

RECEIVED RECEIVED

Change Order No. 14

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956

by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 130C, 159, 160, 167A, 169, 172, 173A, 174, 175, 176 and 177 and Commercial Change Proposal Summary No. 13 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10, except as follows:

Change No. 173A undelivered - 8; Delivery Nos. 3-10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 13 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 13 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

- | | |
|---|-----------------------|
| 1. Change No. 130C - Passenger Seat Fabric Weights, Revision to (No Pages Affected) | No Charges or Credits |
| 2. Change No. 159 - Specification Administrative Change (Water Fire Extinguisher) (Page 112) | No Charges or Credits |
| 3. Change No. 160 - Specification Administrative Change (Length of Canopy Assemblies) (Page 111) | No Charges or Credits |
| 4. Change No. 167A - Transformer Rectifier for Buffets No. 2 and No. 3, Installation of (Page A-13) | No Charges or Credits |
| 5. Change No. 169 - Specification Administrative Change (Buffet Equipment Changes) (Page 106) | No Charges or Credits |
| 6. Change No. 172 - Specification Administrative Change (Waive Functional Check-out on Selcal and DMET Equipment) (Page 90) | No Charges or Credits |

Change Order No. 14,

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956

by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

7. Change No. 173A - Ramp Weight and Takeoff Weight, Increase of (Page 12a and 17)	<u>Per Airplane</u>	<u>Total for 8 Airplanes</u>
Recurring Charge	\$ 839.00	\$ 6712.00
Non-recurring Charge	<u>408.00</u>	<u>3264.00</u>
Total Charges	\$1,247.00	\$9,976.00
8. Change No. 174 - Specification Administrative Change (L.G. Component Heat Treat) (Page 38)	No Charges or Credits	
9. Change No. 175 - Specification Administrative Change (Delete L.G. Gear Control Throttle Switches) (Pages 33 and 80)	No Charges or Credits	
10. Change No. 176 - Specification Administrative Change (Change "toggle-type" to "rotary-type" and "instruments" to "auxiliary") (Page 60)	No Charges or Credits	
11. Change No. 177 - VG Recorder, Installation of Provisions for (Page 62 (Cont))	No Charges or Credits	
12. Summary of the foregoing charges and/or credits:	<u>Per Airplane</u>	<u>Total for Purchase Agreement</u>
Recurring Charge	\$ 839.00	\$ 6712.00
Non-recurring Charge	<u>408.00</u>	<u>3264.00</u>
Total Charges	\$1,247.00	\$ 9,976.00

G. The attached Specification Change Nos. 130C, 159, 160, 167A, 169, 172, 173A, 174, 175, 176, 177 and Commercial Change Proposal Summary No. 13 are hereby incorporated into and become a part of Detail Specification Report No. 2D-22-003 dated 20 September 1956.

H. Notwithstanding any other provisions of the Purchase Agreement and/or this Change Order No. 14 it is expressly understood and agreed that the execution hereof by General Dynamics Corporation is conditioned upon and expressly subject to the prior execution by Delta Air Lines, Inc. of Change Order Nos. 10, 11, 12 and 13 as said Change Orders were executed by General Dynamics Corporation. In the event said Change Order Nos. 10, 11, 12 and 13 are so executed by Delta Air Lines, Inc. this Change Order No. 14 shall be considered in full force and effect. In the event said Change Order Nos. 10, 11, 12 and 13 are not so executed by Delta Air Lines, Inc., this Change Order No. 14 shall be void and of no effect.

Change Order No. 14

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956

by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

- I. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

This 21st day of August, 1959

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By /s/ C. E. Woolman

By /s/ Thomas B. Eastland, Jr.

Title President and General Manager

Title Chief of Contract Administration -
Convair Division
(San Diego)

NO SPEC ~~CHG~~ REQUIRED **B**

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 26 August 1959
Revised: 2 Sept. 1959
SO.No: 880-2-204

WD No: 30,000 Series

Reference: (a) Delta letter J. F. Nycum to
B. J. Simons file 142 dated
29 July 1959

CONVAIR 880 - DELTA

DELTA AIRLINES FREQUENCY REQUIREMENTS

CABLES G-509 FREQUENCY SELECTOR = 61851 = TXCVR=

CRYSTAL ARRANGEMENT = FREQUENCY PLAN

- (1) In accordance with reference (a) the frequency plan for Collins HF equipment listed below will be incorporated in all Delta Air Lines' CV 880 aircraft:

(A) CHANNELS - LETTERS

A B C D E F	=====	BAND I	BASIC	2 = 3.75 MC
G H J K L M	=====	BAND II	1st REPEAT	3.75 = 7.25 MC
N P Q R S T	=====	BAND III	2nd REPEAT	7.25 = 14.25 MC
U V W X Y Z	=====	BAND IV	3rd REPEAT	14.25 = 25.0 MC

- (B) Outer Knob: Digits 1 thru 24
Inner Knob: Letters A thru Z - Omit (I & O)

- (C) Channels A - H - Q - X - Disabled on transmit

- (D) Pre-assigned Shunt "C" on Positions B - J - R - Y

- (E) Frequency Plan: Band

2952 (KC)	X	10	F	F10	10F
2959	I	11	F	F11	11F
2966	I	12	F	F12	12F
3015	I	13	F	F13	13F
3023.5	I	14	F	F14	14F
3469.0	II	15	G	A15	15G
3499.0	II	16	G	A16	16G
3506.5	II	17	G	A17	17G
3566.5	II	18	G	A18	18G
3619.0	II	19	G	A19	19G
3656.5	II	20	G	A20	20G
3637.0	II	21	G	A21	21G
3837	III	22	N	A22	22N
3871	III	23	N	A23	23N
3334.5	III	24	N	A24	24N

RECEIVED

SEP 8 '59

PROJECT
SPEC.
GROUP

ing No. 2264 2323

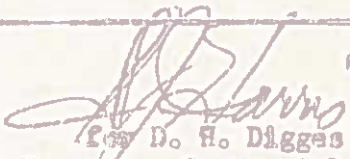
Sold to: Delta Air Lines, Inc.

SO No: 880-2-204

O K: Outer Knob
I K: Inner Knob
X B P: Crystal Board Position

- (2) Purchasing Department is authorized to procure necessary crystals to incorporate frequencies set out above.

 SJH:de


for D. H. Digges
Manager - Commercial Contracts

Revised to add Para. 2

PAGE TWO

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

31 August 1959

No. 171
Model. 22-2

Reference: (a) S. O. 880-2-204 dated 26 August 1959

DELTA AIRLINES FREQUENCY REQUIREMENTS
GABLES G-509 FREQUENCY SELECTOR - 61881 - TXVR
CRYSTAL ARRANGEMENT - FREQUENCY PLAN

- 1) In accordance with Reference (a) the frequency plan for Collins HF equipment listed below will be incorporated in all Delta Air Lines' CV 880 Aircraft:

(A) CHANNELS - LETTERS

A	B	C	D	E	F	BAND I	BASIC	2 - 3.75 MC
G	H	J	K	L	M	BAND II	1st REPEAT	3.75 - 7.25 MC
N	P	Q	R	S	T	BAND III	2nd REPEAT	7.25 - 14.25 MC
U	V	W	X	Y	Z	BAND IV	3rd REPEAT	14.25 - 25.0 MC

- (B) Outer Knob: Digits 1 through 24 Inner Knob: Letters A thru Z
(Omit I & O)

- (C) Channels A - H - Q - X - Disabled on transmit

- (D) Pre-assigned Shunt "C" on Positions B - J - R - Y

- (E) Frequency Plan: Band

2952	X	10	F	F10	10F
2959	I	11	F	F11	11F
2966	I	12	F	F12	12F
3015	I	13	F	F13	13F
3023.5	I	14	F	F14	14F
5469.0	II	15	G	A15	15G
5499.0	II	16	G	A16	16G
5506.5	II	17	G	A17	17G
5566.5	II	18	G	A18	18G
5619.0	II	19	G	A19	19G
5656.5	II	20	G	A20	20G
6537.0	II	21	G	A21	21G
8837	III	22	N	A22	22N
8871	III	23	N	A23	23N
13344.5	III	24	N	A24	24N

O K: Outer Knob
I K: Inner Knob
X B P: Crystal Board Position

RECEIVED

SEP 2 1959

PROJECT
J. S. Bergstrom
Project Engineer

CONVAIR-SAN DIEGO

SUM 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 17 August 1959

SO No: 880-2-203

Reference: (a) Delta letter file 142 dated
13 August 1959
(b) Commercial Change Proposal No. 254
(c) MCL No. 10,451
(d) D.I.B. No. 4.010, Revised 27 May 1959

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

ADDITIONAL FUEL TEMPERATURE INDICATION AND PITOT STATIC ROSE SIZE CHANGE

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,350, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/11/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

BJH:dc

Log No 2102


for D.E. Digges
Manager - Commercial Contracts

RECEIVED

AUG 19 '59

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

21 August 1959

No. 170
Model. 22-2

Reference (a) S. O. 880-2-203 dated 17 August 1959
(b) Commercial Change Proposal No. 254
(c) MCL No. 10,451

Specification Administrative Change Additional Fuel Temperature Indication and Pitot Static Hose Size Change

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,451, Reference (c).

Description of Change:

Page 53, Paragraph 3.12.9.12 - FUEL TEMPERATURE INDICATION:

Revise the paragraph to read as follows:

"Five sensing elements shall be installed to transmit fuel temperatures. One shall be so located in the fuel tank that the temperature indicated shall be the most critical from a freezing standpoint. One indicator shall be used in connection with a selector switch to indicate fuel inlet temperature to each engine fuel filter and the fuel tank."

Page 62, Paragraph 3.14.3.6 - INSTRUMENT LINES AND CONNECTIONS:

Revise the first sentence as follows:

From: "Instrument lines shall be color coded in accordance with Design Drawing No. AMD10375."

To: "Instrument lines shall be color coded in accordance with Standard AMD10375."

Revise the ninth sentence as follows:

From: "Flexible connections shall incorporate 1/4 inch hoses on the static side and 3/16 inch hose on the pitot side."

To: "Flexible connections shall incorporate 1/4-inch hoses, with different size fittings to prevent cross connection."

ACTION: All concerned are authorized to proceed with the above. Specification Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JBB:JMC:is


J. S. Bergstrom
Project Engineer

RECEIVED
AUG 25 '59
PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SUM 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 17 August 1959

SO No: 880-2-202

Reference: (a) Delta letter file 142 dated
13 August 1959
(b) Commercial Change Proposal No. 253
(c) MCL No. 10,350
(d) D.I.B. No. 4.010, Revised 27 May 1959

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

REVISION TO ELECTRONIC AND ELECTRICAL COMPONENT COOLING

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,350, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/11/59) per reference (d).
- (3) This change has no effect on performance, contract price, delivery schedule or aircraft weight.

SJM:dc

Log No. 2183


for J.D. Digges
Manager - Commercial Contracts

RECEIVED

AUG 19 59

PROJECT
SPEC.
GROUP

VSM

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

21 August 1959

No. 169
Model. 22-2

Reference: (a) S. O. 880-2-202 dated 17 August 1959
(b) Commercial Change Proposal No. 253
(c) MCL No. 10,350

Specification Administrative Change Revision to Electronic and Electrical Component Cooling

Delta Air Lines has accepted as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with M/L 10,350, Reference (c).

Description of Change:

Page 122A, FIGURE 3.20-1 AIR CONDITIONING PRESSURIZATION SYSTEM:

Above illustration to be revised to show the effects of this proposal.

The following shall not appear in the Specification language:

The system is being redesigned to provide an overboard discharge duct, shut-off valve and Venturi from the electrical and electronic compartments. The overboard discharge duct will provide cooling during flight except at low altitudes when the cabin pressure differential is low. On the ground and during the low altitude conditions the present electronic cooling blower will be used. A shut-off valve will be provided in the discharge line which will be open at all times. This valve can be closed by a switch on the flight engineer's panel at the option of the crew when and if required in the event of loss of normal air flow to the cabin. The cabin pressure system will be revised to eliminate the differential bias. Its operation will be completely independent of the electronic cooling system

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


J. S. Bergstrom
Project Engineer
6-115

JSB:JMC:is

RECEIVED

AUG 25 '59

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 4 August 1959

SO No: 880-2-201

References: (a) Delta letter file 142
dated 31 July 1959
(b) Commercial Change Proposal No. 233A
(c) MCL No. 10,336
(d) D.I.B. No. 4,010, Revised
27 May 1959


WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(PASSENGER COMPARTMENT LIGHT DIMMING)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,336, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/1/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.


for D. H. Digges
Manager - Commercial Contracts

SJH:dc

Log No. 2066

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

Dated 10 August 1959

No. 168
MODEL 22-2

Reference: (a) S.O. 880-2-201 dated 4 August 1959
(b) Commercial Change Proposal No. 233A
(c) MCL No. 10,336

Specification Administrative Change Passenger Compartment Light Dimming

Delta Air Lines has accepted as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 10,336.

Description of Change:

Page 76, Paragraph 3.16.6.3.3 - LIGHTING CONTROLS:

Revise the third and fourth sentences as follows:

From: "The general lighting throughout the passenger compartment shall be controlled from the cabin attendant's panel and shall have two degrees of light intensity; dim and full brilliance. The switches shall be down for the dim position, off in the center position and up for full brilliance."

To: "The general lighting throughout the passenger compartment shall be controlled from the cabin attendant panel and shall have light intensity controlled from dim to full brilliance. The switches shall be of the momentary type; and shall be down for the dim position, neutral in the center position and up for full brilliance. An on/off switch shall also be provided".

Page 78, Paragraph 3.16.8.7 - SIDE WINDOW LIGHTING:

Revise the last sentence to read as follows:

"A switch shall be installed on the aft stewardess panel to separate this lighting from the overhead cove lights."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:jf


J. S. Bergstrom
Project Engineer
Mail Zone 6-115

RECEIVED
AUG 13 '59
PROJECT
SPEC.
GROUP

CONVAIR--SAN DIEGO

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Reference: (a) Delta letter file 142
dated 3 August 1959
(b) Commercial Change Proposal No. 249
(c) MCL No. 10,347
(d) D.I.B. No. 4,010, Revised
27 May 1958

SALES ORDER

Date: 4 August 1959

SO No: 880-2-200

WO No: 30,000 Series

7-14
RECEIVED

AUG 7 '59

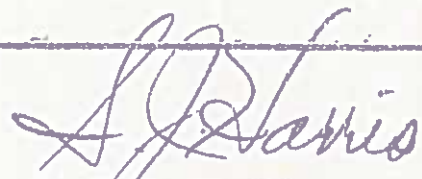
PROJ
SPEC
GROU

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(REVISION TO INTERCHANGEABILITY OF CREW AND PASSENGER SEAT ITEMS)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,347, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/1/59) per reference (d).
- (3) This change has no affect on performance, delivery schedule, aircraft weight or contract price.


for D. H. Digges
Manager - Commercial Contracts

SJH:dc

Log No. 2065

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

Dated 10 August 1959

No. 167
MODEL 22-2

Reference: (a) S.O. 880-2-200 dated 4 August 1959
(b) Commercial Change Proposal No. 249
(c) MCL No. 10,347

Specification Administrative Change Revision to Interchangeability of Crew and Passenger Seat Items

Delta Air Liner has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 10,347, Reference (c).

Description of Change:

Page 126, Paragraph 3.23.1 - EQUIPMENT INTERCHANGEABILITY:

Revise the below item under "2 Interchangeable Without Alterations" as follows:


From: "Crew and Passenger Seat and Back Cushions and Arm Rest Covers."

To: "Passenger Seat Covers, Cushions and Arm Rests."

Add the following under "2 Interchangeable Without Alterations." "Crew Seat Covers (upholstery) and Arm Rests."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JEB:JMC:jf


J. S. Bergstrom
Project Engineer
Mail Zone 6-115

RECEIVED

AUG 13 '59

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

50M 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc
Atlanta Municipal Airport
Atlanta, Georgia

Date: 22 July 1959

SO No: 880-2-199

Reference: (a) Delta TWX dated 21 July 1959
(b) Commercial Change Proposal
No. 240
(c) MCL No. 10,277
(d) D.I.B. No. 4,010, Revised
27 May 1958


WO No: 30,000 Series

CONVAIR 880 - DELTA

RAMP and TAKEOFF WEIGHT

INCREASE OF, (REVISE SHIP EFFECTIVITY)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,277, reference (c). Delta airplane numbers one and two are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/19/59) per reference (d).
- (3) This change results in an increase in guaranteed weight empty of eighty-four (84) pounds per aircraft but does not affect performance or delivery schedule.


Dar D. H. Digges
Manager - Commercial Contracts

SJH:de

Log No. 1971

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

24 July 1959

No. 166
22-2

Reference: (a) S.O. 880-2-199, dated 22 July 1959
(b) CCP No. 240
(c) MCL No. 10,277

Ramp and Takeoff Weight, Increase of (Revise Ship Effectivity).

Delta has accepted, as evidenced by reference (a), our proposal, reference (b), based upon MCL No. 10,277, reference (c).

Description of Change:

Add weight figures after the following:

"Manufacturer's Weight Empty:
Operating Weight Empty:"

Page 12 (Cont) SHIP EFFECTIVITY:

Delete the entire page

Page 17, Paragraph 3.4.1 STRENGTH:

Revise the first four items in the Weight List to read as follows:


<u>From:</u>	" **Maximum Taxi Weight (1b)	185,000
	**Maximum Takeoff Weight (1b)	184,500
	***Maximum Taxi Weight (1b)	180,000
	***Maximum Takeoff Weight (1b)	178,500"
<u>To:</u>	"Maximum Taxi Weight (1b)	185,000
	Maximum Takeoff Weight (1b)	184,500"

Delete the following asterisk notes at the bottom of the page:

 **Applicable to Airplanes 3 thru 10.
 ***Applicable to Airplanes 1 and 2.

This change results in an increase in guaranteed weight empty of eighty-four (84) pounds per airplane. Delta airplane #1 and 2 are affected by this change.

ACTION: All concerned are authorized to proceed with the above change. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


J. S. Bergstrom
Project Engineer
Mail Zone 6-115

JSB:JMC:gm

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 21 July 1959

SO No: 880-2-198

Reference: (a) Delta TWX dated 21 July 1959
(b) Commercial Change Proposal
No. 238
(c) MCL No. 10,391
(d) D.I.B. No. 4,010, Revised
27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

INCREASED ZERO FUEL WEIGHT

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,391, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/19/59) per reference (d).
- (3) This change results in an increase in guaranteed weight empty of one hundred (100) pounds per aircraft but does not affect performance or delivery schedule.

RECEIVED

JUL 27 '59

PROJECT
SPEC.
GROUP


for D. H. Digges
Manager - Commercial Contracts

SJH:de

Log No. 1072

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

24 July 1959

No. 165
22-2

Reference: (a) S.O. 880-2-198, dated 21 July 1959
(b) CCP No. 238
(c) MCL No. 10,391

Increased Zero Fuel Weight.

Delta has accepted, as evidenced by reference (a), our proposal, reference (b), based upon MCL No. 10,391, reference (c).

Description of Change:

Page 17, Paragraph 3.4.1 STRENGTH:

Revise the third item in the weight list as follows:

From: "Maximum zero fuel weight 113,000"

To: "Maximum zero fuel weight 117,000"

This change results in an increase in guaranteed weight empty of one hundred (100) pounds per airplane.

All

ACTION: All concerned are authorized to proceed with the above change. Specifications Group will forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:gm


J. S. Bergstrom
Project Engineer
Mail Zone 6-115

SUM 17 CH/G 18

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 20 July 1959

SO No: 880-2-197

Reference: (a) Delta letter file 142
dated 15 July 1959
(b) Commercial Change Proposal
No. 248
(c) MCL No. 10,346
(d) D.I.B. No. 4,010, Revised
27 May 1958


WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(CHANGE 0-09100 to 0-09001)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,346, reference (c). Delta airplane number 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlines in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/17/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.


For B. H. Digges
Manager - Commercial Contracts

SJH:dc

Log No. 1944

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

22 July 1959

No. 164
22-2

Reference: (a) S.O. 880-2-197, dated 20 July 1959
(b) CCP No. 248
(c) MCL No. 10,346

Specification Administrative Change - Change 0-09100 to 0-09001.

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), based upon MCL No. 10,346, reference (c).

Description of Change:

Delete "0-09100" where appearing in the following paragraphs, and substitute "0-09001":

Page 66, Paragraph 3.16.3, in third line.

Page 67, Paragraph 3.16.5.1, in fourth line.

Page 68, Paragraph 3.16.5.6, in third line.

Page 70, Paragraph 3.16.6, in fourth line.

Page 92, Paragraph 3.17.1.3, in second line.

Paragraph 3.17.1.3.2, in third line.

Page 94, Paragraph 3.17.1.3.8, in second line.

ACTION: All concerned are authorized to proceed with the above change.

JSB:JMC:gm


J. S. Bergstrom
Project Engineer
Mail Zone 6-115

CONVAIR-SAN DIEGO

SUM 17 CHG 18
Sales Order

Sold to: Delta Air Lines Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 10 July 1959

SO No: 880-2-196

Reference: (a) Delta letter file No. 142
dated 7 July 1959
(b) Commercial Change Proposal
No. 243
(c) MCL No. 10,406
(d) D.I.B. No. 4,010, Revised
27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

ICE-DETECTOR UNITS, DELETION OF

FROM NO. 2 AND NO. 4 PODS

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,406, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/10/59) per reference (d).
- (3) This change results in a decrease in guaranteed weight empty of seven (7) pounder per aircraft but does not affect performance or delivery schedule.


for D. H. Digges
Manager - Commercial Contracts

SJH:dc

Log No. 1799

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

15 July 1959
Revised 29 July 1959

No. 163
22-2

Reference: (a) S.O. 880-2-196, dated 10 July 1959
(b) CCP No. 243
(c) MCL No. 10,406

Ice-Detector Units, Deletion of - From No. 2 and No. 4 Pods.

Delta has accepted, as evidenced by reference (a), our proposal, reference (b), based on reference (c).

Description of Change:

Page 122, Paragraph 3.20.2.5 ICE DETECTOR SYSTEM:

Revise the paragraph to read as follows:

"An ice-detector system shall be installed with warning lights in the pilot compartment. Two detector units shall be installed; one in the No. 1 pod and one in the No. 3 pod. Automatic control of the airplane anti-icing system shall be provided; operated by either of the ice detector units. Provisions shall be made for the installation of one ice detector unit in No. 2 pod and one in No. 4 pod."

Page A-1, APPENDIX I-C, POWER PLANT EQUIPMENT:

Revise the below item as follows:

From:	"4	Ice Warning Detector	Goodyear (CARL)	3065-1802 Type T260-MK12A"
To:	"1/	Ice Warning Detector	Goodyear (C.A.R.L.)	3065-1802 Type T260-MK12A"

This change results in a decrease in guaranteed weight empty of seven (7) pounds per aircraft.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JNC:gm


J. S. Bergstrom
Project Engineer
Mail Zone 6-115

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 9 July 1959
*Revised: 20 January 1960
SO No: 880-2-195

Reference: (a) Delta letter file No. 142
dated 7 July 1959
(b) Commercial Change Proposal
No. 242
(c) MCL No. 10,405
(d) D.L.B. No. 4,010, Revised
27 May 1958
(e) Change Board Meeting 9 Dec. 1959
(f) DAL letter file No. 142 dated 4 Dec. 1959

WO No: 30,000 Series

CONVAIR 820 - DELTA

AIR CONDITIONING SYSTEM, REVISION TO

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,405, reference (c). Delta airplane numbers 4 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/6/59) per reference (d).
- (3) This change results in a decrease in guaranteed weight empty of ten (10) pounds per aircraft but does not affect performance or delivery schedule.


for D. H. Digges
Manager - Commercial Contracts


JH:ds

Log No. 880-2-298

Revised to Cancel per Ref. (e) and (f)

CANCELLED

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

CANCELLED

DELTA MINUTES

15 July 1959

Revised 18 November 1959

Cancelled 27 April 1960

No. 162

Model. 22-2

Reference: (a) S.O. 880-2-195, dated 9 July 1959, Rev. 20 January 1960
(b) CCP No. 242
(c) MCL No. 10,405

Air Conditioning System, Revision to.

Delta has accepted, as evidenced by reference (a), our proposal, reference (b), based on reference (c).

Description of Change:

Page 122A, FIGURE 3-20-1 AIR CONDITIONING PRESSURIZATION SYSTEM:

Revise above illustration by deleting the fresh air valve from the ground air conditioning system.

This change results in a decrease in guaranteed weight empty of ten (10) pounds per aircraft.

This change is effective on Delta Airplanes #4 through 10.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JBB:JMC:gm

J. S. Bergstrom
Project Engineer

RECEIVED

MAY 2 '60

PROJECT
SPEC.
GROUP

CANCELLED

J. S. Bergstrom
4-27

CONVAIR-SAN DIEGO

SUM 17 CHANGE 18

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 9 July 1959

SO No: 880-2-194

Reference: (a) Delta letter, File No. 142
dated 7 July 1959
(b) Commercial Change Proposal
No. 224
(c) MCL No. 10,330
(d) D.O.B. No. 4,010, Revised
27 May 1958

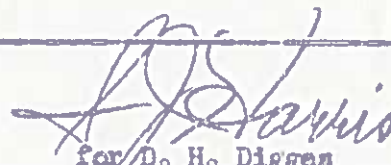
WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(OXYGEN SYSTEM, CLARIFICATION OF)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,330, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/6/59) per reference (d).
- (3) This change has no affect on performance, delivery schedule, aircraft weight or contract price.



for D. H. Digges
Manager - Commercial Contracts

SJH:dc

Log No. 1811

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

[Handwritten signature]

DELTA MINUTES

14 July 1959

No. 161
22-2

Reference: (a) S.O. 880-2-194, dated 9 July 1959
(b) CCP No. 224
(c) MCL No. 10,330

Specification Administrative Change (Oxygen System, Clarification of).

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL No. 10,330, reference (c).

Description of Change:

Page 114, Paragraph 3.19.5.4 - INDIVIDUAL OUTLETS:

Revise the second sentence to read as follows:

"Provisions for one additional mask shall be made for each seat row in the main cabin area (three masks for each of the 19 rows on both sides of the airplane) to provide for emergency oxygen for children in arms. The oxygen outlet system for the club area shall be as shown on Figure 3.19-4".

Figure: 3.19-4 - GASEOUS OXYGEN SYSTEM:

Above figure will be replaced in the specification with Enclosure (A) on Customer approval of this CCP.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:gn

[Handwritten signature]
J. S. Bergstrom
Project Engineer
Mail Zone 6-115

RECEIVED
JUL 17 '59
PROJECT
SPEC.
GROUP

CONVAIR-San Diego

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines Inc.
Atlanta Airport
Atlanta, Georgia

Date: 22 June 1959

SO No: 880-2-193

WO No: 30,000 Series

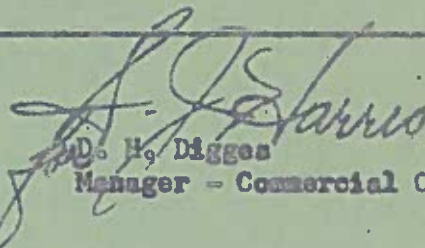
CONVAIR 880 - DELTA AIR LINES

CHANGE ORDER NO. 13

- (1) Attached is a copy of Change Order No. 13 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. ZD-22-003 dated 20 September 1956 to incorporate Specification Change Nos. 64A, 76C, 99A, 124, 125A, 150, 151, 152A, 155, 157 and 158 and Commercial Change Proposal Summary No. 12 on the Delta Air Lines' Convair 880 aircraft.
- (2) Engineering Specification Section is also advised by a copy of this Sales Order that the first sentence in paragraph 3.16.3, Page 66 should be revised to read Convair Specification No. 0-09100 instead of Convair Report No. as previously indicated.

SJH:de

Log No. 1663



D. H. Digges
Manager - Commercial Contracts

880 Project Office (w/attach (2))
Commercial Sales (w/attach)
H. A. Kayes (w/attach)
Contracts Staff Section (w/attach)
J. Doig (w/attach)
E. E. Johnson (w/attach)
J. J. Jodka (w/attach)

W. F. Brown (w/attach (2))
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company (w/attach)
Change Order File No. 13
A. J. Braidie
G. T. Bovee (w/attach)

CHANGE ORDER NO. 13

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956
by and between
Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 64A, 76C, 99A, 124, 125A, 150, 151, 152A, 155, 157 and 158 and Commercial Change Proposal Summary No. 12 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 12 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 12 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 64A - Warning System, Change to (Pages 41 and 80)	No Charges or Credits												
2. Change No. 76C - VGH Recorders, Space Provisions for (Page 62 (Cont))	No Charges or Credits												
3. Change No. 99A - 52-Inch Wide Passenger Seats, Installation of (Pages 104, 104 (Cont) and 113) (Figures 1-2 and 1-3)	No Charges or Credits												
4. Change No. 124 - Titanium Cowling, Door Skins and Frames, Where Heat Permits; Change to Aluminum Alloy (Page 44)	No Charges or Credits												
5. Change No. 125A- Main Landing Gear Piston Head Bearing; Change in Material of (No Pages Affected)													
	<table><thead><tr><th></th><th><u>Per Airplane</u></th><th><u>Total for 10 Airplanes</u></th></tr></thead><tbody><tr><td>Recurring Charge</td><td>\$ 58.00</td><td>\$ 580.00</td></tr><tr><td>Non-recurring Charge</td><td><u>474.00</u></td><td><u>4740.00</u></td></tr><tr><td>Total Charges</td><td>\$ 532.00</td><td>\$ 5320.00</td></tr></tbody></table>		<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>	Recurring Charge	\$ 58.00	\$ 580.00	Non-recurring Charge	<u>474.00</u>	<u>4740.00</u>	Total Charges	\$ 532.00	\$ 5320.00
	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>											
Recurring Charge	\$ 58.00	\$ 580.00											
Non-recurring Charge	<u>474.00</u>	<u>4740.00</u>											
Total Charges	\$ 532.00	\$ 5320.00											

CHANGE ORDER NO. 13

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956
by and between
Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

6. Change No. 150 - Increase of Maximum Landing Weight (Pages 10 and 17)

Recurring Charge
Non-recurring Charge
Total Charges

<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
\$ None	\$ None
<u>985.00</u>	<u>9850.00</u>
\$ 985.00	\$ 9850.00

7. Change No. 151 - Supplementary Florescent Lighting on Pilots' Panels (Pages 75 and 75 (Cont))

No Charges or Credits

8. Change No. 152A - Specification Administrative Change (Check-Off List) (Page 109)

No Charges or Credits

9. Change No. 155 - Specification Administrative Change (Clarify Specification Paragraph 3.6.3) (Page 23)

No Charges or Credits

10. Change No. 157 - Battery, Change from 24 to 27.5 Volts (Pages 66 and A-3)

No Charges or Credits

11. Change No. 158 - Low Energy Ignition System, Installation of (Page 78 (Cont))

No Charges or Credits

12. Summary of the foregoing charges and/or credits:

Recurring Charge	\$ 58.00	\$ 580.00
Non-recurring Charge	<u>1459.00</u>	<u>14,590.00</u>
Total Charges	\$ 1517.00	\$15,170.00

- G. The attached Specification Change Nos. 64A, 76C, 99A, 124, 125A, 150, 151, 152A, 155, 157 and 158 and Commercial Change Proposal Summary No. 12 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.

- H. Notwithstanding any other provisions of the Purchase Agreement and/or this Change Order No. 13 it is expressly understood and agreed that the execution hereof by General Dynamics Corporation is conditioned upon and expressly subject to the prior execution by Delta Air Lines, Inc. of Change Order Nos. 10, 11 and 12 as said Change Orders were executed by General Dynamics Corporation. In the event said Change Order Nos. 10, 11 and 12 are so executed by Delta Air Lines, Inc. this Change Order No. 13 shall be considered in full force and effect. In the event said Change Order Nos. 10, 11 and 12 are not so executed by Delta Air Lines, Inc., this Change Order No. 13 shall be void and of no effect.

CHANGE ORDER NO. 13

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956
by and between
Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

- I. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

This 15 day of June, 1959

DELTA AIR LINES, INC.

By /s/ C. E. Woolman

Title President and General Manager

GENERAL DYNAMICS CORPORATION

By /s/ Thomas B. Eastland, Jr.

Title Chief of Contract Administration =
Convair Division - San Diego

CONVAIR-San Diego

Sold to: Delta Air Lines Inc.
Atlanta Airport
Atlanta, Georgia

Reference: (a) Delta letter file
#142 dated 19 June 1959

ACCOUNTING SALES ORDER

Date: 22 June 1959

SO No: 880-2-192

WD No: 30,000 Series

CONVAIR 880 - DELTA AIR LINES

CHANGE ORDER NO. 12

- (1) Attached is a copy of Change Order No. 12 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. 2D-22-003 dated 20 September 1956 to incorporate Specification Change No. 19E and Commercial Change Proposal Summary No. 11 on Delta Air Lines' Convair 880 aircraft.

SJH:dc

Log No. 306

D. H. Digges

D. H. Digges
Manager - Commercial Contracts

880 Project Office (w/attach (2))
Commercial Sales (w/attach)
H. A. Keyes (w/attach)
Contracts Staff Section (w/attach)
E. E. Johnson (w/attach)
J. Doig (w/attach)
J. J. Jodda (w/attach)

W. F. Brown (w/attach (2))
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company (w/attach)
Change Order File No. 12
A. J. Braidie
G. T. Boyce (w/attach)

RECEIVED

JUN 25 '59

PROJECT
SPEC.
GROUP

CHANGE ORDER NO. 12

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956
by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change No. 19E and Commercial Change Proposal Summary No. 11 attached hereto and made a part thereof.

B. Airplanes affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Change and Commercial Change Proposal Summary No. 11 attached.

D. Effect on performance:

As reflected in the Specification Change and Commercial Change Proposal Summary No. 11 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 19E - Addition of Manufacturer Name and Part Number (Appendix I-C) (Pages A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-7a, A-8, A-9, A-10, A-10a, A-12, A-13, A-15, A-17 and A-18)	No Charges or Credits
--	-----------------------

G. The attached Specification Change No. 19E and Commercial Change Proposal Summary No. 11 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.

H. Notwithstanding any other provisions of the Purchase Agreement and/or this Change Order No. 12 it is expressly understood and agreed that the execution hereof by General Dynamics Corporation is conditioned upon and expressly subject to the prior execution by Delta Air Lines, Inc. of Change Order Nos. 10 and 11 as said Change Orders were executed by General Dynamics Corporation. In the event said Change Order Nos. 10 and 11 are so executed by Delta Air Lines, Inc. this Change Order No. 12 shall be considered in full force and effect. In the event said Change Order Nos. 10 and 11 are not so executed by Delta Air Lines, Inc., this Change Order No. 12 shall be void and of no effect.

CHANGE ORDER NO. 12

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956
by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

I. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

This 15th day of June, 1959

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By /s/ C. E. Woolman

By /s/ Thomas B. Eastland, Jr.

Title President & General Manager

Title Chief of Contract Administration
Convair Division (San Diego)

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 15 June 1959

SO No: 880-2-191

Reference: (a) Delta letter, File No. 142
dated 9 June 1959
(b) Commercial Change Proposal
No. 210B
(c) MCL No. 10,322
(d) D.I.B. No. 4,010, Revised
27 May 1958

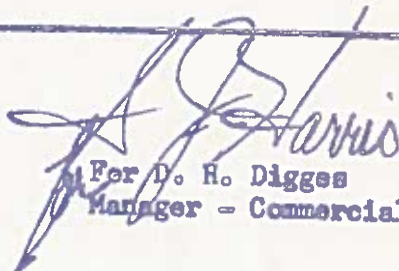
WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(REVISION TO INDICATOR LIGHT LIST)

- (1) Delta Air Lines has accepted by Reference (a) our proposal, Reference (b) (which supplements but does not replace CCP 210A) prepared in accordance with MCL 10,322, Reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (7/13/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.


Fer D. H. Digges
Manager - Commercial Changes

SJH:dc

Log No. 1584

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

18 June 1959

No. 160
Model. 22-2

Reference: (a). S. O. 880-2-191 dated 15 June 1959
(b). Commercial Change Proposal No. 210B
(c). MCL No. 10,322

SPECIFICATION ADMINISTRATIVE CHANGE

(Revision to Indicator Light List)

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,322, Reference (c). This list supplements COT 210A, Sales Order Minutes #142.

Description of Change:

Page 81, Paragraph 3.16.11.3.1 INDICATOR LIGHT LIST:

Revise the first item under "FLIGHT ENGINEER'S STATION" as follows:

			<u>Electrical</u> <u>Dimming</u>
<u>From:</u>	"18 Pump Low Press. (Fuel Sys)	Red	X
<u>To:</u>	" 6 Trans. Pump Low Press. (Fuel Sys)	Amber	X
	12 Booster Pump Low Press. (Fuel Sys)	Red	X"

Add the following under "PILOTS' INSTRUMENT PANEL:

			<u>Electrical</u> <u>Dimming</u>
"1	Yaw Damper Test, "Hold"	Red	X
1	Yaw Damper Test, "Ready"	Green	X"

Delete the following item:

PARKING BRAKE HANDLES

"1	Parking Brake On	Amber	X"
----	------------------	-------	----

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

RECEIVED

JUN 23 '59

JSB:JMC:is

PROJECT
SPEC.
GROUP


J. S. Bergstrom
Project Engineer
6-115

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

15 September 1959

No. 175
Model. 22-2

Reference: (a) S. O. 880-2-209 dated 10 September 1959
(b) Commercial Change Proposal No. 228A
(c) MCL NO. 10,393

PASSENGER SEAT BELTS, REVISION TO

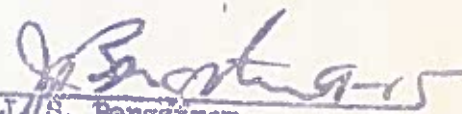
Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,393, Reference (c).

Description of Change:

This change has no effect on Specification language. Part numbers for new safety belts will be furnished, when available, on Customer approval of this proposal.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:18


J. S. Bergstrom
Project Engineer
6-115

RECEIVED

18 '59

PROJECT
SPEC.
GROUP

CONVAIR - SAN DIEGO

SALES ORDER

CANCELLED

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 12 June 1959
*Revised: 1 July 1959
SO No: 880-2-190

Reference: (a) Telecon, C. J. May, 10 June 1959
(b) Commercial Change Proposal No. 228
(c) MCL No. 10,393
(d) D.I.E. No. 4.010, revised 27 May 1958

WC No: 30,800 Series

CONVAIR 880 - DELTA

PASSENGER SEAT BELTS

- (1) Delta Air Lines has accepted by Reference (a) our proposal, Reference (b), prepared in accordance with MCL No. 10,393, Reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (7/12/59) per Reference (d).
- (3) This change has no effect on performance, delivery schedule, or aircraft guaranteed weight empty.

RECEIVED

JUL 10 '59

**PROJECT
SPEC.
GROUP**

SKH:ea

Log No: 1563 1736

Revised to cancel - Customer approval
withdrawn pending development of
acceptable seat fitting by Engineering

J. H. Digges
J. H. Digges
Manager of Commercial Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

18 June 1959

No. 159
Model. 22-2

Reference: (a) S. O. 880-2-190 dated 12 June 1959
(b) Commercial Change Proposal No. 228
(c) MCL No. 10,393

PASSENGER SEAT BELTS

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,393, Reference (c).

Task is as follows:

- A. Fabricate a passenger seat, lounge seat and cabin attendant seat belt using a Cummins-Sanders buckle. (CS3100A), (2) seat attach fittings (HML114 Type "A" and webbing (M#038-M3-850) with a clear plastic tip.
- B. Identify per drawing SK-6020.
- C. Install Passenger, lounge and attendants' seat belts.

Action: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order Date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

RECEIVED
JUN 23 '59
PROJECT
SPEC.
GROUP

SUM 17 CHG 18

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 5 June 1959

SO No: 880-2-189

Reference: (A) Delta letter, File No. 142
dated 28 May 1959
(b) Commercial Change Proposal
No. 236
(c) MCL No. 10,339
(d) D.I.B. No. 4,010, Revised
27 May 1958

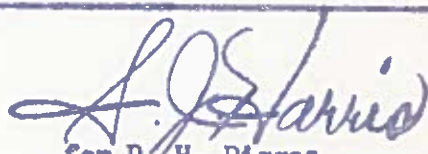
WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(CHANGE AS 246C TO AS 264D)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,339, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (7/5/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.


for D. H. Digges
Manager - Commercial Contracts


SJH:dc
Log No. 1513

RECEIVED
JUN 9 '59
PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

12 June 1959

No. 158
Model. 22-2

Reference: (a) S. O. 880-2-189 dated 5 June 1959
(b) Commercial Change Proposal No. 236
(c) MCL No. 10,339

SPECIFICATION ADMINISTRATIVE CHANGE

(Change AS 246C to AS 264D)

Delta Airlines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,339, Reference (c).

Description of Change:

Page 75, Paragraph 3.16.8.2.2 - INSTRUMENT PANELS:

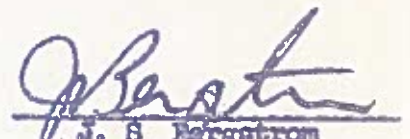
Change the following in the first sentence:

From: "Aeronautical Standard 246C, revised 12-15-54"

To: "Aeronautical Standard 264D, revised 3-15-56"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:18


J. S. Bergstrom
Project Engineer
6-115

RECEIVED

JUN 16 '59

PROJECT
SPEC.
GROUP

NO SPEC CHG REQUIRED

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 2 June 1959

SO No: 880-2-188


Reference: (a) Sales Order No. 880-2-183
dated 13 May 1959
(b) Sales Order No. 880-2-40
dated 18 October 1957 and
last revised 9 May 1958

WO No: 30,000 Series

CONVAIR 880-DELTA

RETURN OF DELTA AIR LINES' OWNED MATERIAL

- (1) Under reference (a) Sales Order, Delta Air Lines loaned to Convair one (1) Mapco Warming Oven, Part No. 206-117, Serial No. 12057 and one (1) Mapco Two-Gallon Liquid Container, Part No. 180-117, Serial No. 4848 and under reference (b) Delta Air Lines loaned to Convair one (1) each Model 815 Ref Manufacturing Company food tray carrier. These were for use in the development and manufacture of the Delta Model 880 buffets.
- (2) The above items were returned to Delta Air Lines, Attention - C. J. May, Building 19, Room 129 on 2 June 1959.
- (3) Material Department will prepare "record purposes only" packing sheets covering the return of the above material to Delta Air Lines and forward a copy of the packing sheet to Commercial Contracts, Mail Zone 10-00, Attention - S. J. Harris.


for D. H. Digges
Manager - Commercial Contracts

SJH:de

Log No. 1175

RECEIVED
JUN 5 '59
PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SUM 16 CHG 17
SALES ORDER 1-19F CHG

Sold to: Delta Air Lines Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 26 May 1959

SO No: 880-2-187

Reference: (a) Delta letter, File No. 142,
dated 25 May 1959
(b) Commercial Change Proposal
No. 237
(c) MCL No. 10,340
(d) D.I.B. No. 4,010, Revised
27 May 1959

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(DELETE POSITION LIGHT FLASHER)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,340, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (6/23/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.


for D. H. Digges
Manager - Commercial Contracts

SJH:de

Log No. 1436

RECEIVED

JUN 8 '59

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

1 June 1959

No. 157
Model. 22-2

Reference: (a). S. O. 880-2-187 dated 26 May 1959
(b). Commercial Change Proposal No. 237
(c). MCL No. 10,340

SPECIFICATION ADMINISTRATION CHANGE
DELETE POSITION LIGHT FLASHER

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,340, Reference (c).

Description of Change:

Page A-3, APPENDIX I-C, ELECTRICAL EQUIPMENT:

Delete the following item from the Description List:

"1 Position Light Flasher"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

RECEIVED
JUN 3 '59
PROJECT
SPEC.
GROUP

CONFIDENTIAL - SAN DIEGO

SUM #15 CHG #16

SALES ORDER

Sold to: Delta Air Lines Inc.,
Atlanta Municipal Airport
Atlanta, Georgia

Date: 26 May 1959
Revised 5 June 1959
SO No: 880-2-186

Reference: (a) Delta FAX dated 25 May 1959
(b) Commercial Change Proposal
No. 140A
(c) MCL No. 10,207
(d) D.O.B. No. 4,010, Revised
27 May 1958
(e) Delta letter, File No 142,
dated 3 June 1959

WO No: 30,000 Series

STABILIZER TRIM CONTROL,

ELECTRIC DRIVE CAPABILITY INCORPORATION OF

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,207, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (6/23/59) per reference (d).
- (3) This change results in an increase of guaranteed weight empty of twenty (20) pounds per aircraft but does not affect performance or delivery schedule.

RECEIVED

JUN 9 '59

PROJECT
SPEC.
GROUP

SJH:12

File No. 1383 1512

*Revised to add reference (e)

for B. H. Digges
Manager - Commercial Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

1 June 1959

No. 156
Model. 22-2

Reference: (a). S. O. 880-2-186 dated 26 May 1959
(b). Commercial Change Proposal No. 140A
(c). MEL No. 10,207

STABILIZER TRIM CONTROL
ELECTRIC DRIVE CAPABILITY INCORPORATION OF

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MEL 10,207, Reference (c).

Description of Change:

Page 40 Add the following new paragraph, after paragraph 3.10.1.5:

"3.10.1.5.1 STABILIZER TRIM CONTROL: An electrically operated motor and clutch assembly shall be incorporated in the stabilizer trim system to provide control of stabilizer trim by means of switches installed on a knob on the upper part of the outboard horn of the pilot's and co-pilot's control wheels. Switches shall be installed at an angle inclined forward of the vertical. The switches shall be of the slide-contact-type and shall operate up and forward for nose down trim and down and aft for nose up trim. An override switch shall be provided on the pedestal, adjacent to the stabilizer hydraulic cutoff, capable of disconnecting all power to the electric stabilizer trim system. This switch shall be guarded in the "on position".

Page 84, Paragraph 3.16.17 ESSENTIAL POWER (AC POWER):

Add the following items under "Flight Controls":

- "3. Stabilizer Trim - Emergency Motor
4. Stabilizer Trim - Wheel Control Motor"

RECEIVED

JUN 3 '59

Page A-3, APPENDIX I-C, ELECTRICAL EQUIPMENT:

Add the following items to the Description List:

"One Wheel Control Motor (Stabilizer Trim) (P/N to be supplied)

PROJECT
SPEC.
GROUP

This change results in a weight empty increase of 20 pounds per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom, Project Engr.

CONVAIR-SAN DIEGO

Sum 17 H-18
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 21 May 1959

SO No: 880-2-185

Reference: (a) Delta letter, File No. 142,
dated 19 May 1959
(b) ~~Commercial~~ Change Proposal
No. 230
(c) MCL No. 10,327
(d) D.I.B. No. 4,010, Revised
27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(STAINLESS STEEL TUBING TO

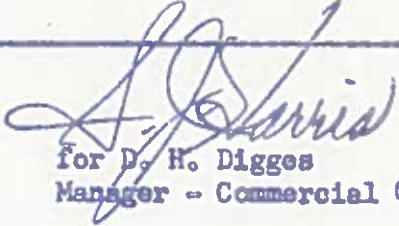
WING CENTER SECTION, WITH EXCEPTION)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,327, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (6/22/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

RECEIVED

MAY 26 '59

PROJECT
SPEC.
GROUP


For D. H. Digges
Manager - Commercial Contracts

SJH:dc

Log No. 1326

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

26 May 1959

No. 155

Model. 22-2

RECEIVED

JUN 2 '59

PROJECT
SPEC.
GROUP

Reference: (a). S. O 880-2-185 dated 21 May 1959
(b). Commercial Change Proposal No. 230
(c). MCL No. 10,327

SPECIFICATION ADMINISTRATIVE CHANGE
(STAINLESS STEEL TUBING TO WING CENTER SECTION, WITH EXCEPTION)

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,327, Reference (c).

Description of Change:

Page 51, Paragraph 3.12.9.6 - PIPING AND FITTINGS:

Revise the first sentence as follows:

From: "Fuel lines external to the fuel tanks shall be stainless steel tubing except that lines in the nacelle may be fire-proof, fatigue and abrasion resistant flexible hose."

To: "Fuel lines external to the fuel tanks and sealed structure wing center section shall be stainless steel tubing except that lines in the nacelle may be fire-proof, fatigue and abrasion flexible hose."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

50M 17 CHG 18
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 21 May 1959

SO No: 880-2-184

Reference: (a) Delta letter, file no. 142,
dated 19 May 1959
(b) Commercial Change Proposal
No. 226
(c) MCL No. 10,332
(d) D.I.B. No. 4,010, Revised
27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(RELOCATE STABILIZER TRIM AND ELECTRICAL STANDBY CONTROL

SWITCHES TO THE LOWER R/H CORNER OF THE PILOT'S PEDESTAL)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,332, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (6/21/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

RECEIVED

MAY 26 1959

PROJECT
SP. 2
GR.


for D. H. Digges
Manager - Commercial Contracts

SJH:de

Log No. 1325

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

26 May 1959

No. 154

Model. 22-2

Reference: (a). S. O. 880-2-184 dated 21 May 1959
(b). Commercial Change Proposal No. 226
(c). MEL No. 10,332

SPECIFICATION ADMINISTRATIVE CHANGE
(RELOCATE STABILIZER TRIM AND ELECTRICAL STANDBY CONTROL SWITCHES TO THE LOWER R/H
CORNER OF THE PILOT'S PEDESTAL)

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MEL 10,332, Reference (c).

Description of Change:

Page 102A, Figure 3.17-1 Pilot's & Copilot's Pedestal:

"This proposal has no effect on the specification language but changes the above figure number from 3.17-1 to 3.14-6 and relocated the stabilizer trim and electrical standby control switches as shown on the attached revised illustration."

Enclosure (A) One (1) copy of Figure 3.14-6 Pilot's and Copilot's Pedestal.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JEB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 May 1959

SO No: 880-2-183

Reference: (a) Delta letter, file 142
dated 1 May 1959

WO No: 30,000 Series

NO SPEC CHG REQUIRED
NO WD CHG

CONVAIR 880 - DELTA

DELTA OWNED MATERIAL

- (1) Delta Air Lines has loaned to Convair one (1) Mapco Warming Oven, Part No. 206-117, Serial No. 12057 and one (1) Mapco Two-Gallon Liquid Container, Part No. 180-117, Serial No. 4848 for use in the development and manufacture of Delta buffets. The customer delivered these items direct to the Furnishings Group in the Engineering Department for further transmittal to Weber Manufacturing Company. The loan of this equipment is being made for a period of thirty (30) days. Therefore, unless further advised both items should be returned to Delta Air Lines, Attention: C. J. May, Building 19, Room 129 on 1 June 1959.
- (2) Receiving Department is requested to originate a "record purpose only" receiving report to record receipt of the warming oven and liquid container in accordance with the above. One (1) copy of this receiving report should be forwarded to the Commercial Contracts Department, Attention: S. J. Harris, Mail Zone 10-00.

RECEIVED

MAY 21 1959

PROJECT
SPEC
GROUP


for S. J. Harris

Manager - Commercial Contracts

SJH:dc

Log No. 1256

MA

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

14 May 1959

No. 153

Model. 22-2

Reference: (a). S. O. 880-2-183 dated 13 May 1959

DELTA OWNED MATERIAL

Delta Air Lines has loaned to Convair one (1) Mapco Warming Oven, Part No. 206-117, Serial No. 12057 and one (1) Mapco Two-Gallon Liquid Container, Part No. 180-117, Serial No. 4848 for use in the development and manufacture of Delta buffets. The customer delivered these items direct to the Furnishings Group in the Engineering Department for further transmittal to Weber Manufacturing Company. The loan of this equipment is being made for a period of thirty (30) days. Therefore, unless further advised both items should be returned to Delta Air Lines, Attention: C. J. May, Building 19, Room 129 on June 1, 1959.


RECEIVED

MAY 20 '59

PROJECT

ACTION: Furnishings Group is authorized to proceed as noted above.

JSB:JC:is


J. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Reference: (a) Sales Order No. 880-2-40
dated 18 October 1957 and
last revised 9 May 1958

H.C. 7
SALES ORDER

6-122

Date: 11 May 1959

SO No. 880-2-182

WO No. 30,000 Series

NO SPEC CHG REQUIRED
NO WIT CHG

CONVAIR 880 - DELTA

RETURN OF DELTA AIR LINES' OWNED MATERIAL

- (1) Under reference (a) Sales Order, Delta Air Lines loaned to Convair one (1) electric oven with trays, Model 206-156, Serial No. 4021 and one (1) two-gallon beverage container, Model 189-140B, Serial No. 11170 for use in the development and manufacture of the Delta buffets.
- (2) The above items were returned to Delta Air Lines, Attention-C. J. May, Building 19, Room 129 on 1 May 1959.
- (3) Material Department will prepare "record purposes only" packing sheets covering the return of the above material to Delta Air Lines and forward a copy of the packing sheet to Commercial Contracts, Mail Zone 10-00, Attention-S. J. Harris.

S. J. Harris
For D. H. Digges
Manager - Commercial Contracts

SJH:ds

Log No. 1610

RECEIVED

MAY 13 '59

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

July 2

DELTA MINUTES

12 May 1959

No. 152
Model. 22-2

Reference: (a). S. O. 880-2-181 dated 11 May 1959
(b). Commercial Change Proposal No. 223
(c). MCL No. 10,329

SPECIFICATION ADMINISTRATIVE CHANGE
DELETION OF DOWNSTREAM FUEL SCREEN AND CLARIFY INTENT OF PAR. 3.12.9.9.1

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,329, Reference (c).

DESCRIPTION OF CHANGES:

Page 52, Paragraph 3.12.9.8 - STRAINERS AND FILTERS:

Delete the first sentence which reads as follows:

"An 8-10 mesh fuel screen which can be readily drained and serviced shall be installed in the fuel supply downstream of the emergency shut-off valve connection to each engine."

Page 52, Paragraph 3.12.9.9.1 - QUANTITY GAGES:

Revise the third sentence as follows:

From: "The fuel gage units in the tanks shall be provided with disconnect plugs and receptacles and shall be designed to permit installation or replacement without special tools."

To: "The fuel gage units in the tanks shall be provided with terminal posts which shall be designed to permit installation or replacement without special tools."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. B. Bergstrom
Project Engineer
6-115

RECEIVED

MAY 15 '59

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Reference: (a) Delta letter, File No. 142,
dated 30 April 1959
(b) Commercial Change Proposal
No. 223
(c) MCL No. 10,329
(d) D.I.B. No. 4,010, Revised
27 May 1958

SUMMARY 15 CHANGE 16
SALES ORDER

Date: 11 May 1959

SO No. 880-2-181

WO No. 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(DELETION OF DOWNSTREAM FUEL SCREEN,

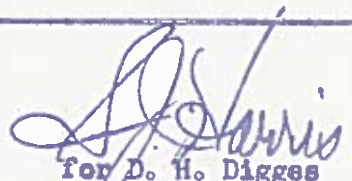
AND CLARIFY INTENT OF PAR. 3.12.9.9.1)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,329, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (6/8/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

RECEIVED

MAY 13 '59

PROJECT
SPEC.
GROUP


for D. H. Digges
Manager - Commercial Contracts

SJH:de

Log No. 1209

CONVAIR-SAN DIEGO

Sum # 15 CHG 16
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 7 May 1959

SO No: 880-2-180

Reference: (a) Delta letter, File No. 142,
dated 1 May 1959
(b) ~~Commercial~~ Change Proposal
No. 227
(c) MCL No. 10,333
(d) D.I.B. No. 4,010, Revised
27 May 1959

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE


(MISCELLANEOUS SPECIFICATION LANGUAGE REVISION)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,333, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (6/8/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

RECEIVED

MAY 13 '59

PROJECT
SPEC.
GROUP


for D. H. Digges
Manager - Commercial Contracts

SJH:de

Log No. 1198

7/1/59

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

8 May 1959

No. 151

Model. 22-2

Reference: (a). S. O. 880-2-180 dated 7 May 1959
(b). Commercial Change Proposal No. 227
(c). MCL No. 10,333

SPECIFICATION ADMINISTRATIVE CHANGE
MISCELLANEOUS SPECIFICATION LANGUAGE REVISION

Delta Airlines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 10,333, Reference (c).

Description of Change:

Page 23, Paragraph 3.6.3 - ELEVATORS:

In the first line of the last sentence, delete the word "trim"

Page 58, Paragraph 3.14.1.1 - PILOT'S INSTRUMENT PANEL:

Delete the following 14th and 17th items from the instrument list:

"One airspeed system electrical failure warning light
One power failure indicator (essential bus)"

Add the following item to the instrument list:

"One master caution light"

Page 104, Paragraph 3.19.1.1.3 - OBSERVER'S SEAT:

Revise the following paragraph:

From: "A folding auxiliary seat with upholstered seat, backrest and arms, shall be provided aft of the pilot for use of an observer".

To: "An upholstered auxiliary seat with backrest and arms shall be installed aft of the pilot for use of an observer".

Page 104, Paragraph 3.19.1.1.6 - PASSENGER SEATS:

Revise the first sentence to read as follows:

RECEIVED

MAY 12 '59

PROJECT
SPEC.
GROUP

8 May 1959

Page 104, Paragraph 3.19.1.1.6 - PASSENGER SEATS: cont.

"The passenger seat arrangement shall be as shown on Figures 1-2 and 1-3".

Change the following in the fifth sentence:From: "(except for club area and forward main cabin seats)"To: "(except for club area seats)"

Page 110, Paragraph 3.19.3.1.1 - PASSENGER COMPARTMENT:

In the fourth line, change "28 inches" to "24 inches"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JEB:JMC:ls



G. S. Bergstrom
Project Engineer
6-115

CONVAIR-SAN DIEGO

W. E. Z. Johnson
SALES ORDER

6-122

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 24 April 1959

SO No: 880-2-179

Reference: (a) Delta letter, File No. 142,
dated 14 April 1959
(b) Commercial Change Proposal
No. 166A
(c) MCL No. 10,270
(d) D.I.B. No. 4,010, Revised
27 May 1959

WO No: 30,000 Series

SUMMARY IS CHANGE 1.6

CONVAIR - 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(MISCELLANEOUS SPECIFICATION REVISIONS)

- (1) Delta Air Lines has accepted by references (a) our proposal, reference (b), prepared in accordance with MCL 10,270, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (5/24/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

John H. Digges
John H. Digges
Manager - Commercial Contracts

SJH:ds

Log No. 1046

RECEIVED

MAY 1 '59

PROJECT
SPEC.
GROUP

XMS

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

29 April 1959

No. 150
Model. 22-2

Reference: (a). S. O. 880-2-179 dated 24 April 1959
(b). Commercial Change Proposal No. 166A
(c). MCL No. 10,270

SPECIFICATION ADMINISTRATIVE CHANGE
(MISCELLANEOUS SPECIFICATION REVISIONS)

Delta Air Lines has accepted as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,270, Reference (c).

Description of Change:

Page 3, Paragraph 1.1 BASIC TYPE:

Revise the first sentence as follows:

From: "All hinges shall be attached with screws or bolts and anchor nuts, except that it will be permissible to use rivets to attach the wing leading edge section to the forward legs of the piano hinges."

To: "All hinges shall be attached with screws or bolts and anchor nuts, except wing access door hinges may be installed without anchor nuts. It will be permissible to use rivets to attach the wing leading edge section to the forward legs of the piano hinges."

Page 31, Paragraph 3.7.1.6.3 PASSENGER COMPARTMENT FLOORING:

Delete the following words, starting in the 11th line:

"of underseat panels and those panels which need not be removed for servicing"

Page 55, Paragraph 3.12.9.13.1 UNDER-WING REFUELING:

In the eight line, change "600 gpm" to "300 gpm"

The following shall not appear in the Specification language, and is presented explanatory information for the proposed changes to the below items:

a. Page 3, Paragraph 1.1 BASIC TYPE:

All fasteners necessary to open doors for normal access shall be held with anchor nuts. Hinges on wing access doors will not require anchor nuts since hinges screws are not removed for normal access.

RECEIVED

MAY 5 '59

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL Minutes

18 August 1958

No. 111

22-2

Ref: (a) S.O. 880-2-123 dated 13 August 1958
(b) Commercial Change Proposal No. 157
(c) MCL No. 256

1. BATTERY, CHANGE FROM 24 to 27.5 VOLTS

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 256, Reference (c).

Description of Change:

Page 66, Para. 3.16.2.3 BATTERIES:

Revise the first sentence to read as follows:

"Battery power of 27.5 volts shall be available."

Page 66 Para. 3.16.2.4.2 BATTERY COMPARTMENT FINISH:

Revise paragraph and paragraph title as follows:

"BATTERY AREA FINISH: The battery area shall be painted with electrolyte-resistant paint."

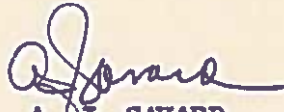
Page A-3, APPENDIX I-C, ELECTRICAL EQUIPMENT:

Change the 10th item in Description List as follows:

From: "1 Battery, Storage (24 volt or 2 - 12 volt) Nickel-Cadmium"

To: "1 Battery, Storage, Nickel-Cadmium, 27.5 volt"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


A. J. SAVARD
Project Engineer

AJS:JMC:rb

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 August 1958

SO No: 880-2-123

Reference: (a) Delta letter, dated 12 August 1958
(b) Commercial Change Proposal No. 157
(c) MCL No. 10,256
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

BATTERY, CHANGE FROM 24 TO 27.5 VOLTS

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 10,256, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/9/58) per Reference (d).
- (3) This change has no effect on guaranteed weight empty, performance, delivery schedule, or contract price.

SJH:bc

Log No: 4665

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

AUG 15 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DETA MINUTES

29 April 1959

No. 150
Model: 22-2
Page 2 of 2

b. Page 31, Paragraph 3.7.1.6.3 PASSENGER COMPARTMENT FLOORING:

The second sentence applies specifically to "the floors in the heavy traffic areas (entry ways, galley, aisle and lavatories).....", the words "of underseat panels and those panels which need not be removed for servicing" apply to panels other than those listed above. Since the last sentence of this paragraph includes the requirements for these "light duty" panels, deletion is proposed for the words "of underseat panels and those panels which need not be removed for servicing."

c. Page 55, Paragraph 3.12.9.13.1 UNDER-WING REFUELING:

The "600 gpm" capacity noted in paragraph is in error and should read "300 gpm".

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JEB:ME:1s


J. B. Bergstrom
Project Engineer
6-115

RECEIVED

MAY 5 '59

PROJECT
SPEC,
GROUP

57
CONVAIR-SAN DIEGO

No. 1 - Chg. Required
NP Wt. CHG
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 16 April 1959
Revised: 27 April 1959
SO No. 880-2-178

Reference: (a) Delta letter, file No. 142
dated 13 April 1959

WO No. 30,000 Series

DISTRIBUTION OF CONVAIR 880 TECHNICAL DATA - DELTA AIR LINES

(1) Sales Order 880-2-151 established a distribution of technical data to Delta Air Lines. Reference (a) letter establishes a new distribution list for technical data due to recent Delta organizational changes; therefore, this Sales Order cancels and supersedes Sales Order 880-2-151 dated 1 December 1958 and revised 12 December 1958.

(a) The following data should be sent directly to Publications Section, Methods and Training Department, Delta Air Lines, Inc., Atlanta Airport, Atlanta, Georgia:

1. Maintenance and Overhaul Manuals.
2. Parts Catalogs.
3. Standards Manuals.
4. Vendor Parts Lists.
5. Manufacturing Processing Standards.
6. Convair Service Magazines (Traveler and similar publications).

(b) The data listed below should be distributed directly to Engineering Records, Engineering Department, Delta Air Lines, Inc., Atlanta Airport, Atlanta, Georgia:

1. Service Bulletins.
2. Service Change Letters.
3. Service Telegrams.
4. Service Engineering Reports.
5. Field Service Reports.
6. News Letters.
7. CV-880 Drawings (~~CIM Cards~~) (MID Cards)

(c) Training material and related data should be continued to be shipped directly to D.C. Garrett, Superintendent Methods and Training, Delta Air Lines, Atlanta Airport, Atlanta, Georgia.

Log No. ~~525~~ 1113

cc to King / Trace

RECEIVED

MAY 7 '59

PROJECT
SPEC.
GROUP

Sold to: Delta Air Lines, Inc.

16 April 1959
SO No. 880-2-178

(2) Copies of all transmittal letters covering the above data should be forwarded to:

J. F. Nyeum, Manager Flight Equipment Development
Delta Air Lines Office
c/o Douglas Aircraft Company
Santa Monica, California

C. J. May, Resident Representative
Delta Air Lines, Inc.
c/o Convair
Room 129, Building 19, Mail Zone CO-1
San Diego 12, California

Commercial Contracts Department
Room 100, Building 19, Mail Zone 11-00
Attention: S. J. Harris

(3) Data to be supplied to Delta Air Lines in accordance with the following requirements of the purchase agreement shall be forwarded to the Contracts Department for further transmittal to the customer:

- (a) Article 11 (e)(c)(2)
- (b) Article 11 (e)(h)
- (c) Article 11 (e)(i)
- (d) Article 11 (e)(j)
- (e) Letter of Agreement No. 4
- (f) Letter of Agreement No. 10
- (g) Letter of Agreement No. 14
- (h) Letter of Agreement No. 25


for C. G. Glasgow
Manager of Contracts

SJH:de

Revised to correct nomenclature in para. 1-b, Item 7

cc: C. Dutton
H. E. Wolfe
W. T. Elliott
J. J. Alkazin (3)
W. F. Brown 6-122

RECEIVED

MAY 7 '59
PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 16 April 1959

SO No: 880-2-177

Reference: (a) Delta letter, File No. 142,
dated 14 April 1959
(b) Commercial Change Proposal
No. 225
(c) MCL No. 10,331
(d) D.I.B. No. 4,010, Revised
27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

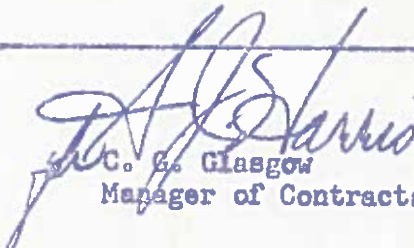
SPECIFICATION ADMINISTRATIVE CHANGE

(RELOCATION OF THE EMERGENCY AIR BRAKE CONTROL HANDLE)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,331, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (5/14/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

SJH:dc

Log No. 1001


C. E. Glasgow
Manager of Contracts

COMVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

20 April 1959

No. 148
Model. 22-2

Reference: (a). S. O. 880-2-177 dated 16 April 1959
(b). Commercial Change Proposal No. 225
(c). MCL No. 10,331

SPECIFICATION ADMINISTRATIVE CHANGE
(RELOCATION OF THE EMERGENCY AIR BRAKE CONTROL HANDLE)

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,331, Reference (c).

Description of Change:

Page 62A, Figure 3.14-1 PILOT'S AND COPILOT'S INSTR. PANELS:
Page 62B, Figure 3.14-2 PILOT AND COPILOT CONSOLE:

"This proposal has no effect on the specification language but relocates the Emergency Air Brake control handle from the pilot's console to the pilot's and copilot's instrument panel and rearranges various other instruments as shown in the attached revised illustrations."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

RECEIVED

APR 21 '59

PROJECT
SPEC.
GROUP

CONVAIR - San Diego

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines
Atlanta Airport
Atlanta, Georgia

Date: 15 April 1959

SO No. 880-2-176

WG No. 30,000 Series

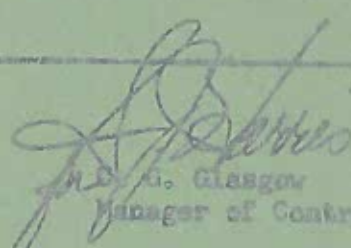
CONVAIR 880 - DELTA AIR LINES

CHANGE ORDER NO. 11

1. Attached is a copy of Change Order No. 11 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. ZD-23-003 dated 20 September 1956 to incorporate certain changes all as more particularly set forth in Specification Change No. 138 and Commercial Change Proposal Summary No. 10 on the Convair 880 aircraft.

SJR:do

LOG NO. 971


J. D. Glasgow
Manager of Contracts

E. Burke (w/exec. copy)
880 Project Office (w/Attach-2)
Commercial Sales (w/attach)
E. A. Hayes (w/attach)
Contracts Staff Section (w/attach)
R. S. Johnson (w/attach)
L. Dalg (w/attach)

W. F. Brown (w/attach - 2)
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company (w/attach)
Change Order No. 11 File
A. J. Braiddie
G. T. Poyes (w/attach)

CHANGE ORDER NO. 11

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956
by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change No. 138 and Commercial Change Proposal Summary No. 10 attached hereto and made a part thereof.

B. Airplanes affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Change and Commercial Change Proposal Summary No. 10 attached.

D. Effect on performance:

As reflected in the Specification Change and Commercial Change Proposal Summary No. 10 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
1. Change Order No. 138 - Cabin Interior Modification and Installation of 12-Place Club Area		
Recurring Charge	\$ 4000.00	\$ 40,000.00
Non-recurring Charge	<u>None</u>	<u>None</u>
Total Charge	\$ 4000.00	\$ 40,000.00
2. Summary of the foregoing charges and/or credits:		
Recurring Charge	\$ 4000.00	\$ 40,000.00
Non-recurring Charge	<u>None</u>	<u>None</u>
Total Charge	\$ 4000.00	\$ 40,000.00

CHANGE ORDER NO. 11

pursuant to

Article 5 of Purchase Agreement dated 10 September 1956

by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

- C. The attached Specification Change No. 138 and Commercial Change Proposal Summary No. 10 are hereby incorporated into and become a part of Detail Specification Report No. 2D-22-003 dated 20 September 1956.
- H. Notwithstanding any other provisions of the Purchase Agreement and/or this Change Order No. 11 it is expressly understood and agreed that the execution hereof by General Dynamics Corporation is conditioned upon and expressly subject to the prior execution by Delta Air Lines, Inc. of Change Order No. 10 as said Change Order was executed by General Dynamics Corporation. In the event said Change Order No. 10 is so executed by Delta Air Lines, Inc. this Change Order No. 11 shall be considered in full force and effect. In the event said Change Order No. 10 is not so executed by Delta Air Lines, Inc., this Change Order No. 11 shall be void and of no effect.
- I. except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

This 2nd day of April, 1959

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By /s/ C. E. Woolman

By /s/ Thomas B. Eastland, Jr.

Title President and General Manager

Title Chief of Contract Administration
Convair Division (San Diego)

CONVAIN-JAN 1950

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Airport
Atlanta, Georgia

Date: 15 April 1950

SO No. 88-2-175

WO No. 30,000 Series

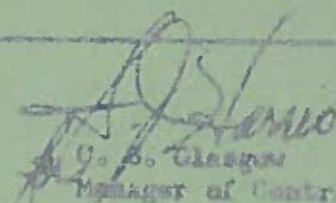
CONVAIN 880 - DELTA AIR LINES
CHANGE ORDER NO. 10

1. Attached is copy of Change Order No. 10 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. 4D-22-001 dated 20 September 1949 to incorporate Specification Change Nos. 30B, 47A, 93A, 102, 110, 116, 119, 131, 133, 136, 142, and 147 and Commercial Change Proposal Summary No. 9 on the Model 880 aircraft.

Unit:

SO No. 88

1. Delta (w/enc. copy)
880 Project Office (w/attach (2))
Commercial Sales (w/attach)
R. A. Hayes (w/attach)
Contracts Staff Section (w/attach)
R. M. Johnson (w/attach)
C. Lutz (w/attach)


G. B. Glasgow
Manager of Contracts
J. F. Brown (w/attach (2))
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company (w/attach)
Change Order File No. 10
A. J. Bralich
C. T. Hayes (w/attach)

CHANGE ORDER NO. 10

pertaining to

Article 5 of Purchase Agreement dated 20 September 1956

by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 30B, 47A, 93A, 102, 110, 116, 119, 131, 133, 136, 142 and 147 and Commercial Change Proposal Summary No. 9 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 9 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 9 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 30B - Portable Oxygen System, Revision to (Pages 114 and A-15)

No Charges or Credits

2. Change No. 47A - Deletion of Access Door in Aft Pressure Bulkhead (Page 80)

	Per Airplane	Total for 10 Airplanes
Recurring Credit	\$ 213.00	\$ 2130.00
Non-recurring Credit	151.00	1510.00
Total Credit	\$ 364.00	\$ 3640.00

3. Change No. 93A - Applicable Federal Regulations (Pages 7 and 74)

No Charges or Credits

4. Change No. 102 - Nose Landing Gear; Steering, Braking and Actuation, Change from No. 2 to No. 1 Hydraulic System (Pages 58, 63, 64 and A-10) (Figures 3-8-1, 3-8-2, 3-8-2A, 3-14-1 and 3-15-1)

No Charges or Credits

CHANGE ORDER NO. 10

pursuant to

Article 5 of Purchase Agreement dated 20 September 1956

by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

5. Change No. 110 - Specification Administrative Change (Deleted wheel well fire detection illustration and nylon fire extinguishing lines) (Page 80) (Figures 3.19-9 and 3.19-10) No Charges or Credits
6. Change No. 116 - Specification Administrative Change (Clarifying two main door dimensions) (Page 29) No Charges or Credits
7. Change No. 119 - Specification Administrative Change (Clarifying purpose and location of dual air flow indicator, bearing temperature and RPM indicators) (Page 116) (Figure 3.20-1) No Charges or Credits
8. Change No. 131 - Specification Administrative Change (Deleted reference to cargo capacity figures from illustration) (Figure 1-2) No Charges or Credits
9. Change No. 133 - Specification Administrative Change (To clarify landing gear horn operation) (Page 80) No Charges or Credits
10. Change No. 136 - Nacelle Fire Extinguisher Equipment, Walter Kidd, Installation of (Page A-18) No Charges or Credits
11. Change No. 142 - Lavatory Towel Dispenser, Addition of (Pages 107 and A-12) No Charges or Credits
12. Change No. 147 - Turn and Bank Indicator, Revision to (Page A-7) No Charges or Credits
13. Summary of the foregoing charges and/or credits:

Recurring Credit
Non-recurring Credit

\$213.00
151.00

\$ 2130.00
1510.00

Total Credit

\$364.00

\$ 3640.00

CHANGE ORDER NO. 10

pursuant to

Article 5 of Purchase Agreement dated 20 September 1956

by and between

Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division)

- G. The attached Specification Change Nos. 303, 47A, 93A, 102, 110, 116, 119, 131, 133, 136, 142 and 147 and Commercial Change Proposal Summary No. 9 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.
- H. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

This 2nd day of April, 1959

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By/s/C. E. Woolman

By/s/C. G. Glasgow

Title President and General Manager

Title Manager of Contracts - Convair Div.
(San Diego)

SUMMARY IS CHANGE 16

CONVAIR-San Diego

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 27 March 1959

SO No: 880-2-174

Reference: (a) Delta letter, File No. 142,
dated 20 March 1959
(b) Commercial Change Proposal No. 215
(c) MCL No. 10,324
(d) D.I.B. No. 40010, Revised 27 May 1958

WO No: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(MACHINE COUNTERSINK IN ATTACHMENTS TO SUPPORTS)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,324, reference (c) on the following condition:

"Countersinking to be employed only where material is of sufficient thickness to permit a full depth, full bearing type of countersink."

- (2) Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (3) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (4/24/59) per reference (c).
- (4) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

SJH:dja

Log No. 831


G. Glasgow
Manager of Contracts

DELTA AIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

20 April 1959

No. 149
Model. 22-2

Reference: (a). S. O. 880-2-174 dated 27 March 1959
(b). Commercial Change Proposal No. 215
(c). MCL No. 10,324

SPECIFICATION ADMINISTRATIVE CHANGES
(MACHINE COUNTERSINK IN ATTACHMENTS TO SUPPORTS)

1. Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 10,324, Reference (c), on the following condition:

"Countersinking to be employed only where material is of sufficient thickness to permit a full depth, full bearing type of countersink."

Revise the last sentence as follows:

From: "Attachments to transverse or longitudinal supports shall employ extra depth ~~imples~~ to insure flushness."

To: "Attachments to transverse or longitudinal supports shall employ extra depth ~~imples~~ or machine countersinking to insure flushness."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:JMC:is


J. S. Bergstrom
Project Engineer
6-115

RECEIVED

APR 21 '59

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

W. Brown
6-122
SUMMARY No. 15 CHANGE No. 16

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 17 March 1959

SO NO: 880-2-173

Reference: (a) Delta letter, File No. 142,
dated 16 March 1959
(b) Commercial Change Proposal
No. 219
(c) MCL No. 10,326
(d) D.I.B. No. 4.010, Revised
27 May 1958

WO NO: 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(LAVATORY TOILET WATER SYSTEM SCHEMATIC)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,326, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (4/14/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule, aircraft weight or contract price.

SJH:djm

Log No. 602

J. C. Glasgow
J. C. Glasgow
Manager of Contracts

RECEIVED

MAR 24 '59

PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

23 March 1959

No. 147
22-2


Reference: (a). S. O. 880-2-173 dated 17 March 1959
(b). Commercial Change Proposal No. 219
(c). MCL No. 10,326

LAVATORY TOILET WATER SYSTEM SCHEMATIC (SPEC. ADMINISTRATIVE CHANGE)

1. Delta has accepted as evidenced by Reference (a), our Proposal, Reference (b), based on Reference (c).
2. This change has no effect on weight or performance.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:KVL:is


J. S. Bergstrom
Project Engineer
6-115

RECEIVED

MAR 25 '59

PROJECT
SPEC.
GROUP

SUM 17 CHG 18

Revised: 16 December 1959

***Revised: 28 December 1959

- (a) Delta Air Lines, Inc.
Atlanta, Georgia
- (b) Delta Air Lines, Inc.
Atlanta, Georgia
- (c) Delta Air Lines, Inc.
Atlanta, Georgia
- (d) Delta Air Lines, Inc.
Atlanta, Georgia
- (e) Commercial Change Proposal No. 218A

DELTA 880 - DELTA

REDUCTION OF EXTERIOR MARKINGS AND COLOR SCHEMES

This Sales Order cancels and supersedes Sales Order 880-2-161 dated 21 February 1959. Delta Air Lines has accepted by reference (a) our proposal, reference (b) required in accordance with MCL 10,381, reference (c), Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (a).

Engineering Specification Section will forward necessary revised specifications to the Contract Department within four weeks (4/10/59) per reference (a).

This change results in an increase of guaranteed weight empty of sixty-one (61) pounds per aircraft but does not affect performance or delivery schedule.

Engineering will forward two (2) sets of the revised exterior markings drawings to Delta for review and revision.

Delta advised that use of British Caledonian markings for the Convair section, the Lockheed L-1049 and the Delta 880 will be acceptable. All other markings must be deleted.

and --
4 thru 10.

- 6) This Sales Order is revised to add reference (e) CCP 218A which supersedes but does not replace CCP 218.

-----3226 3281

Revised to add Para. (6) per reference (e)

Revised to correct Para. (3).

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

17 March 1959

Revised 3-24-59

Revised 28 December 1959

No. 145
22-2

Reference: (a) S. O. 880-2-172 dated 13 March 1959, Revised 18 December 1959
(b) Commercial Change Proposal No. 218
(c) MEL No. 10,384
(d) CCP 218A

REDESIGN OF EXTERIOR MARKINGS AND COLOR SCHEMES

1. These Minutes cancel and supersede previous Minutes #116.
2. Delta Airlines has accepted by Reference (a) our Proposal, Reference (d), prepared in accordance with Reference (c). Effective on all 22-2 aircraft.
3. This change results in an increase of guaranteed weight empty of sixty-one (61) pounds per aircraft but does not affect performance or delivery schedule for Ship Nos. 2 & 3 and an increase of 22 lbs. for Ship #1 and 4 through 10.
4. Engineering will forward two (2) sets of the revised exterior markings drawings to Contracts for transmittal to Delta for review and recheck.
5. Delta advises that use of Scotch Cal markings for the Convair emblem, the American Flag and the Delta Crown will be acceptable. All other markings must be painted.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JEB:KVL:ls

J. S. Bergstrom
J. S. Bergstrom 3-18
Project Engineer
6-115
L 12/26

SUM 15 CHG 16

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 March 1959

SO NO. 880-2-171

Reference: (a) Delta letter, File No. 142,
dated 11 March 1959
(b) Commercial Change Proposal No. 216
(c) MCL No. 10,385
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO NO. 30,000 Series

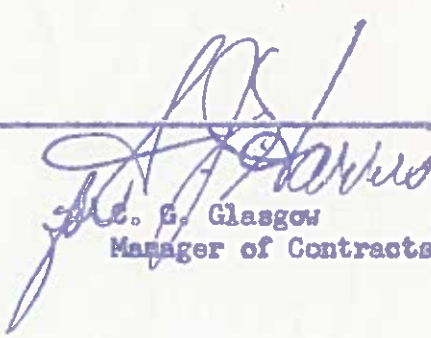
CONVAIR 880 - DELTA

MACH AND AIRSPEED "NEVER EXCEED" WARNING SYSTEM, INSTALLATION OF

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,385, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (4/10/59) per reference (d).
- (3) This change has no effect on performance, delivery schedule or contract price; however, it does result in an increase in guaranteed weight empty of six (6) pounds per aircraft.

SJH:djm

Log No. 708


J. E. Glasgow
Manager of Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

17 March 1959

NO. 146

22-2

Reference: (a) S. O. 880-2-171 dated 13 March 1959
(b) Commercial Change Proposal No. 216
(c) MCL # . 10,385

WACH AND AIRSPEED "NEVER EXCEED" WARNING SYSTEM, INSTALLATION OF

1. Delta Air Lines has accepted by Reference (a) our Proposal, Reference (b) based on Reference (c). All airplanes are affected.
2. This change results in a guaranteed weight empty of six (6) pounds per aircraft with no effect on performance.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:KVL:is


J. S. Bergstrom
Project Engineer
6-115

RECEIVED

MAR 20 '59

PROJECT
SPEC.
GROUP

W. F. Brown 6-122

CONVAIR-SAN DIEGO

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 11 March 1959

SO NO: 880-2-170

WO NO: 30,000 Series

CONVAIR 880 - DELTA

AMENDMENT NO. 4

- (1) Attached is a copy of Amendment No. 4 to Purchase Agreement between Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division).
- (2) This Amendment No. 4 has no effect on contract price.

SJR:dju

Log No. 657

[Signature]
AC. C. Glasgow
Manager of Contracts

cc: BRD Project Office (w/attach 2)
Commercial Sales (w/attach)
H. A. Kayes (w/attach)
Contracts Staff Section (w/attach)
S. E. Johnson (w/attach)
J. Doig (w/attach)

W. F. Brown (w/attach)
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company (w/attach)
Amendment No. 4 File (Delta)

RECEIVED

MAR 17 '59

PROJECT
SPEC.
GROUP

NO SPEC CHG REQUIRED

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 11 March 1959

SO No. 880-2-169

References: (a) Delta letter, File No. 142,
dated 23 December 1958
(b) Convair letter 11-5-647
dated 10 February 1959
(c) Delta letter, File No. 142,
dated 12 February 1959
(d) Convair letter 11-5-1604
dated 10 March 1959

WO No. 30,000 Series

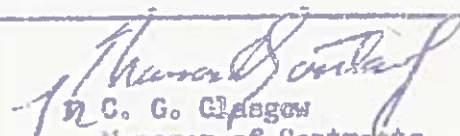
CONVAIR 880 - DELTA

USE OF TURBINE ENGINE OIL

1. Under references (a) and (c) Delta Air Lines has advised that Texaco No. 15 synthetic aircraft turbine engine oil has been selected for use in the General Electric engines to be installed in the Delta version of the Convair 880 aircraft. Accordingly, departments concerned are directed to procure and use Texaco No. 15 turbine engine oil in Delta Air Lines Convair 880 Aircraft including Delta's Ship No. 1 (Manufacturing No. 4) which is presently scheduled for the flight test program.
2. Because of the small amount of oil involved, it is recommended that it be purchased in cans in lieu of bulk which will eliminate the need for additional handling equipment required for storage of bulk oil.

SJK:djm

Log No. 712


C. G. Glasgow
Manager of Contracts

CONVAIR-SAN DIEGO

W. J. Brown
SUMMARY No 15 *6-122*
CHANGE 16
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

DATE: 26 February 1959

SO No. 880-2-168

Reference: (a) Delta letter, File 142,
dated 23 February 1959
(b) Commercial Change Proposal No. 209
(c) MCL No. 10,320
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(CHANGE JACK PAD ADAPTERS FROM AAF TO MS-TYPE)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,320, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (3/26/59) per reference (d).
- (3) This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:djm

Log No. 569

C. G. Glasgow
for C. G. Glasgow
Manager of Contracts

RECEIVED

MAR 6 '59

PROJECT
SPEC.
GROUP

W. J. B.

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

11 March 1959

No. 144
22-2

Reference: (a) S. O. 880-2-168 dated 26 February 1959
(b) Commercial Change Proposal No. 209
(c) MEL No. 10,320

SPECIFICATION ADMINISTRATIVE CHANGE (CHANGE JACK FAD ADAPTERS FROM AAF TO MS-TYPE)

1. Delta Air Lines has accepted by Reference (a) our Proposal Reference (b) based on Reference (c).
2. This change has no effect on aircraft weight or performance.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

JSB:KVL:is

J. S. B.
J. S. Bargeston 3-12
Project Engineer
6-115

RECEIVED

MAR 16 '59

PROJECT
SPEC.
GROUP

Sum 15 CHG 16

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

DATE: 24 February 1959

SO No. 880-2-167

Reference: (a) Delta Letter, File No. 142,
dated 17 February 1959
(b) ~~Commercial~~ Change Proposal
No. 212
(c) MCL No. 10,323
(d) D.I.B. No. 4,010, Revised
27 May 1958

WC No. 30,000 Series

CONVAIR 880 - DELTA

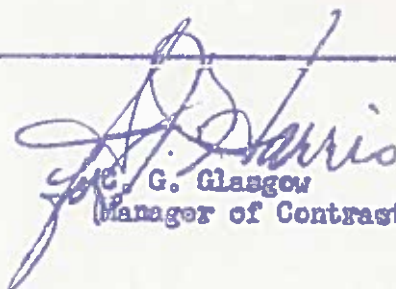
SPECIFICATION ADMINISTRATIVE CHANGE

(CLARIFICATION OF SPECIFICATION LANGUAGE IN PARAGRAPH 3.17.3.1.1)

- (1) Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,323, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (3/23/59) per reference (d).
- (3) This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:djm

Log No. 524


J. G. Glasgow
Manager of Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES
Feb. 25, 1959

No. 143
22-2


Reference: (a). S. O. 880-2-167 dated 24 February 1959
(b). Commercial Change Proposal No. 212
(c). MEL No. 10,323

SPECIFICATION ADMINISTRATIVE CHANGE

(Clarification of Language on Page 100, Paragraph 3.17.3.1.1 Antennas
of Specification ZD-22-003)

1. Delta has accepted by Reference (a) our Proposal, Reference (b), based on Reference (c).
2. All 22-2 airplanes are affected by this change.
3. This change has no effect on aircraft weight and performance.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


J. S. Bergstrom
Project Engineer
6-115

JSB:KVL:is

RECEIVED

MAR 2 '59

PROJECT
SPEC.
GROUP

CANCELLED

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 23 February 1959
Revised: 13 March 1959
SO No. 880-2-166

Reference: (a) Meeting 17 February 1959
J. F. Nycum (Delta) and
C. Diets and S. J. Harris
(Convair).
(b) Delta Air Lines wires
dated 2/20/59 and 2/23/59
(c) MCL No. 10,384
(d) D.I.B. No. 4,010, Revised
27 May 1958

WO No. 30,000 Series

CONV. IR 880 - DELTA

EXTERIOR MARKINGS AND COLOR SCHEMES, DELTA SELECTED

- (1) Sales Order No. 880-2-129 authorized all departments to proceed with the Delta Air Lines selected exterior markings and color schemes as outlined in Commercial Change Proposal No. 171 (MCL 10,282). Reference (b), Delta wires authorize Convair to stop work immediately on DAL's previously selected exterior markings and color schemes and to proceed with the preparation of drawings for new exterior markings and color schemes as outlined at reference (a) meeting. This Sales Order, therefore, cancels and supersedes Sales Order No. 880-2-129.
- (2) Engineering is authorized to proceed immediately with the preparation of new drawings in accordance with changes outlined by Delta Representatives at Reference (a) meeting. Drawings will be completed and submitted to Delta within four weeks (23 March 1959). Delta will be given two weeks to review and approve the drawings.
- (3) A formal Commercial Change Proposal will be prepared in accordance with reference (c) MCL to reflect the effect on weight, aircraft performance, delivery schedule and contract price. After execution of the formal Commercial Change Proposal this Sales Order will be revised accordingly.

Revised to cancel - superseded by S.O. 880-2-172.

SJH:djm

Log No. 525 714

G. G. Glasgow
Manager of Contracts

SUM#15 CHG#16

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 16 February 1959
Revised: 6 March 1959
SO No. 880-2-165

Reference: (a) Delta Letter, File No. 142,
dated 12 February 1959
(b) Commercial Change Proposal No. 210
(c) MCL No. 10,322
(d) D.L.B. No. 4.010, Revised 27 May 1958
(e) Commercial Change Proposal No. 210A
(f) Delta letter, File No. 142, dated
4 March 1959

WO No. 30,000 Series

CONVAIR 880 - DELTA

SPECIFICATION ADMINISTRATION CHANGE
(INCORPORATION OF INDICATOR LIGHT LIST)

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,322, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (3/9/59) per reference (d).
3. This change has no effect on aircraft weight, performance, delivery schedule or contract price.
4. This Sales Order revised to add reference (e) CCP 210A which cancels and supersedes CCP 210. Delta Air Lines accepted this proposal by reference (f)

SJH:dja

Log No. 180 640

Revised to add Par. 4 and
References (e) and (f)

J. G. Glasgow
J. G. Glasgow
Manager of Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

18 Feb. 1959

No. 142


Rev. 17 March 1959

Reference: {a}. S. O. 880-2-165 dated 16 Feb. 1959 (Revised 6 March 1959)
{b}. Commercial Change Proposal No. 210 A
{c}. MCL No. 10,322

SPECIFICATION ADMINISTRATION CHANGE (INCORPORATION OF INDICATOR LIGHT LIST)

1. Delta has accepted by Reference (a), our Proposal, Reference (b), based on Reference (c).
2. This change has no effect on aircraft weight or performance.

ACTION: All concerned are authorized to proceed with the above. Specification Group to forward revised specification pages to Contracts within 10 weeks of Sales Order date.


J. S. Bergstrom
Project Engineer
6-115

JEB:KVL:is

RECEIVED

MAR 25 '59

PROJECT
SPEC.
GROUP

Accounting Sales Order

880-2-164

SUM 14 CHG 15

CONVAIP-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 January 1959

SO No. 880-2-163

Reference: (a) Delta Letter, File No. 142,
dated 12 January 1959
(b) Commercial Change Proposal No. 198
(c) MCL No. 10,312
(d) D.I.B. No. 4,010, Revised 27 May 1958

WO No. 30,000 Series

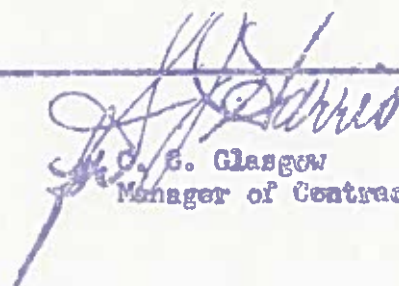
CONVAIR 880 - DELTA

LAVATORY PLACARD, INSTALLATION OF

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,312, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (2/12/59) per reference (d).
3. This change has no effect on aircraft weight, performance or delivery schedule.

SJH:djm

Log No. 236


J. C. S. Glasgow
Manager of Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

Delta Minutes

20 January 1959

No. 141
22-2

Reference: (a) S. O. 880-2-163 dated 15 January 1959
(b) Commercial Change Proposal No. 198
(c) MEL No. 10,312

1. LAVATORY PLACARD, INSTALLATION OF

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MEL 10,312, Reference (c).

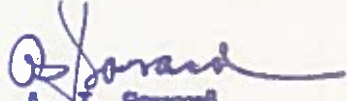
The Task is as Follows:

Add "Lavatory" decal above each "Vacant - Occupied" Lavatory Door Sign.

Two (2) required, Forward and Aft.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

ATS:JEC:18


A. J. Savard
Project Engineer

RECEIVED

JAN 22 '59

PROJECT
SPEC.
GROUP

SUM # 14 CHG # 15

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 15 January 1959

SO No. 880-2-162

Reference: (a) Delta Letter, File No. 142,
dated 12 January 1959
(b) Commercial Change Proposal (No. 200
(Proposal B)
(c) MCL No. 10,314
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

CONVAIR 880 - DELTA

BILINGUAL SIGNS, INSTALLATION OF

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,314, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (d).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (2/12/59) per reference (d).
3. This change results in an increase of guaranteed weight empty of nine (9) pounds per aircraft but does not affect performance or delivery schedule.

SJH:djm

Log No. 237


C. G. Glasgow
Manager of Contracts

[Handwritten signature]

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

Delta Minutes
20 January 1959

No. 140
22-2

Reference: (a) S. O. 880-2-162 dated 15 January 1959
(b) Commercial Change Proposal No. 200
(c) MCL No. 10,314

1. BILINGUAL SIGNS, INSTALLATION OF

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,314, Reference (c).

The task is as follows:

1. Replace escutcheons and lettered plastic panels as follows with bilingual wording (Spanish & English).
 - A. "No Smoking" - "Fasten Seat Belts" (4) (One (1) in the lounge and three(3) in the cabin area)
 - B. "Occupied - Vacant" (3) (One (1) for each lavatory)
 - C. "Exit" (4) required - "Emergency Exit" (2) required
 - D. Instructions for operating emergency exit hatches to be in Spanish and English.
 - E. "Lavatory" signs (3) required (non edge lighted placard)
 - F. Installation for unilingual and bilingual signs will be interchangeable.

This change results in an increase in the guaranteed weight empty of nine (9) pounds per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales order date.

AJB:JEE:is

[Handwritten signature]
A. J. Savard
Project Engineer

RECEIVED

JAN 22 '59

PROJECT
SPEC.
GROUP

CONVAIR-San Diego

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Airport
Atlanta, Georgia

Date: 7 January 1959

SO No. 880-2-161

WO No. 30,000 Series

MODEL 880 - DELTA AIR LINES
CHANGE ORDER NO. 9

1. Attached is a copy of Change Order No. 9 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. 20-22-003 dated 20 September 1954 to incorporate Specification Change Nos. 92, 105, 107, 108, 109, 115, 120A, 121, 129 and 135 and Commercial Change Proposal Summary No. 8 on the Model 880 aircraft.

SWH:djm

LOG NO. 161

J. C. Clagg
J. C. Clagg
Manager of Contracts

RECEIVED
JAN 8 1959
PROJECT
SPEC.
EQUIP.

E. Burke (w/exes. copy)
Project Office (w/attach) (2)
Commercial Sales (w/attach)
E. R. Hayes (w/attach)
Projects Staff Section (w/attach)
E. L. Johnson (w/attach)

J. Doig (w/attach)
W. F. Brown (w/attach) (2)
R. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company (w/attach)
Change Order No. 9 File

CHANGE ORDER NO. 9
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 92, 105, 107, 108, 109A, 115, 120A, 121, 129 and 135 and Commercial Change Proposal Summary No. 8 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 8 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 8 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 92 - VHF Communication Antenna,
Relocation of (Pages 97, 102C and A-4)

No Charges or Credits

2. Change No. 105 - Specification Administrative
Change (Cargo Compartment Flooring)(Page 108)

No Charges or Credits

3. Change No. 107 - Specification Administrative
Change (Power Plant Items)(Pages 46, 47, 48
and 55)

No Charges or Credits

4. Change No. 108 - Main Landing Gear Wheels,
Increased Height of Wheel Flange (Page A-11)

No Charges or Credits

RECEIVED
JAN 8 '59
PROJECT
SPEC.
GROUP

CHANGE ORDER NO. 9
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

5. Change No. 109A - CAA Flight Data Recorder
(Page 62)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring charge	\$ 469.00	\$ 4,690.00
Non-recurring charge	<u>152.00</u>	<u>1,520.00</u>
Total charge	<u>\$ 621.00</u>	<u>\$ 6,210.00</u>

6. Change No. 115 - Lavatory Hot Water Provisions, Installation of (Pages 107 and 115B)

Recurring charge	\$ 991.00	\$ 9,910.00
Non-recurring charge	<u>404.00</u>	<u>4,040.00</u>
Total charge	<u>\$ 1,395.00</u>	<u>\$ 13,950.00</u>

7. Change No. 120A - Single Loop A-C Fenwal Fire Detector System (Pages 87, 89, 56E and 112)

Recurring Credit	\$ 970.00	\$ 9,700.00
Non-recurring Credit	<u>None</u>	<u>None</u>
Total credit	<u>\$ 970.00</u>	<u>\$ 9,700.00</u>

8. Change No. 121 - Rivets in Wing Leading Edges, Use of (Page 3)

No Charges or Credits

9. Change No. 129 - Stewardess Seats and Handsets, Relocation of (Pages 6B, 6C, 99, 104 and 106)

No Charges or Credits

10. Change No. 135 - Drip Sticks for Fuel Quantity Indication, Installation of (Page 52)

No Charges or Credits

11. Summary of the foregoing charges and/or credits:

Recurring Charges	\$ 490.00	\$ 4,900.00
Non-recurring Charges	<u>556.00</u>	<u>5,560.00</u>
Total Charges	<u>\$ 1,046.00</u>	<u>\$ 10,460.00</u>

CHANGE ORDER NO. 9
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

- G. The attached Specification Change Nos. 92, 105, 107, 108, 109A, 115, 120A, 121, 129 and 135 and Commercial Change Proposal Summary No. 8 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.
- H. Notwithstanding any other provisions of the Purchase Agreement and/or this Change Order No. 9 it is expressly understood and agreed that the execution hereof by General Dynamics Corporation is conditioned upon and expressly subject to the prior execution by Delta Air Lines, Inc. of Change Order No. 8 as said Change Order No. 8 was executed by General Dynamics Corporation. In the event said Change Order No. 8 is so executed by Delta Air Lines, Inc., this Change Order No. 9 shall be considered in full force and effect. In the event said Change Order No. 8 is not so executed by Delta Air Lines, Inc., this Change Order No. 9 shall be void and of no effect.
- I. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

this 23rd day of December 1958

DELTA AIR LINES, INC.

By /s/ C. E. Woolman

Title President and General Manager

GENERAL DYNAMICS CORPORATION

By /s/ Thomas B. Fastland, Jr.

Title Chief of Contract Administration
Convair Division

SUM#14 46#15 W E Fitzgerald
6-122

CONVAIR-San Diego

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 8 January 1959

SO No. 880-2-160

Reference: (a) Delta Letter, File No. 142
dated 7 January 1959
(b) Commercial Change Proposal No. 203
(c) MCL No. 10,361
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

CONVAIR 880 - DELTA

SPARE WIRING-CONDUIT, INSTALLATION OF

1. Delta Air Lines has accepted by reference (a) our proposal reference (b), prepared in accordance with MCL 10,361, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (2/5/59) per reference (d).
3. This change results in an increase of guaranteed weight empty of five (5) pounds per aircraft but does not affect performance or delivery schedule.

RECEIVED

JAN 12 '59

PROJECT
SPEC.
GROUP

SJH:djm

Log No. 176


J. C. Glasgow
Manager of Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

12 January 1959

No. 139
22-2

Reference: (a). S. O. 880-2-160 dated 8 January 1959
(b). Commercial Change Proposal No. 203
(c). MCL No. 10,361

1. Spare Wiring - Conduit, Installation of

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), based upon MCL No. 10,361, Reference (c).

Description of Change:

Page 69, Paragraph 3.16.5.6.1 - Conduit Location:

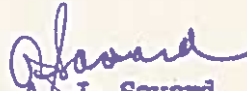
Add the following to the end of the paragraph:

"Two sections of one inch rigid conduit, each approximately 12 feet long, shall be installed below the cabin floor (and attached by clips to floor beams) between the front spar and the aft main wheel well to permit future routing of new wiring without removing cabin seats and floor panels."

This change results in an increase in the guaranteed weight empty of 5 lbs. per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:is


A. J. Savard
Project Engineer

RECEIVED

JAN 14 '59

PROJECT
SPEC.
GROUP

SUM #14 CHG#15

CONVAIR-San Diego

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

DATE: 7 January 1959

SO No. 880-2-159

Reference: (a) Delta Letter, File
No. 142 dated 1/5/59
(b) Commercial Change
Proposal No. 206
(c) MCL No. 10,317
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

CONVAIR 880 - DELTA


SPECIFICATION ADMINISTRATIVE CHANGE

(PROVIDE ASSIST ROPES IN FLIGHT COMPARTMENT)

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,317, reference (c). Delta Airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (2/3/59) per reference (d).
3. This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:djm

Log No. 143


for G. G. Glasgow
Manager of Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

12 January 1959

No. 138
22-2

Reference: (a). S. O. 880-2-159 dated 7 January 1959
(b). Commercial Change Proposal No. 206
(c). MCL No. 10,317

1. SPECIFICATION ADMINISTRATIVE CHANGE

(Provide Assist Ropes in Flight Compartment)

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 10,317, Reference (c),

Description of Change:

Page 114, Paragraph 3.19.6.3 EVACUATION PROVISIONS:

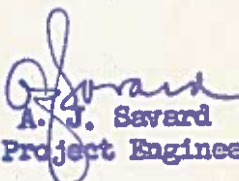
Revise the first sentence as follows:

From: "Suitable means shall be provided for assisting rapid evacuation from emergency exits, including assist ropes at exits over the wing and over left and right hand windows in flight compartment. In addition, crew assist ropes shall be provided at the forward main entrance door, and noninflatable escape chutes at each galley service door."

To: "Suitable means shall be provided for assisting rapid evacuation from emergency exits, including assist ropes at exits over the wing and over left and right hand windows in flight compartment. In addition, crew assist ropes shall be provided at the forward main entrance door, and noninflatable escape chutes at each galley service door."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:18


A. J. Savard
Project Engineer

RECEIVED

JAN 14 '59

PROJECT
SPEC.
GROUP

SUM#14 CHG#15

CONVAIR-San Diego

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

DATE 6 January 1959

SO No. 880-2-158

Reference: (a) Delta Letter, File No. 142,
dated 5 January 1959
(b) Commercial Change Proposal No. 205
(c) MCL No. 10,316
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

CONVAIR 880 - DELTA


SPECIFICATION ADMINISTRATIVE CHANGE

(DELETE REFERENCE TO AILERON FROM PARAGRAPH 3.5.2.6)

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,316, reference (c). Delta Airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (2/2/59) per reference (d).
3. This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:djm

Log No. 144


for C. G. Glasgow
Manager of Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES

12 January 1959

No. 137
22-2

Reference: (a). S. O. 880-2-158 dated 6 January 1959
(b). Commercial Change Proposal No. 205
(c). MCL No. 10,316

1. Specification Administrative Change

(Delete Reference to Aileron from Paragraph 3.5.2.6)

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,316, Reference (c).

REASON FOR CHANGE: To make Specification compatible with the airplane.

Description of Change:

Page 21, Paragraph 3.5.2.6 WING TIPS:

REVISE the last sentence in paragraph as follows:

FROM: "The wing tip shall have a removable cap and shall extend aft to provide protection for the outer extremity of the aileron."

TO: "The wing tip shall have a removable cap."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contract within four weeks of Sales Order date.

AJS:JMC:is


A. J. Savard
Project Engineer

RECEIVED

JAN 14 '59

PROJECT
SPEC.
GROUP

Sales Order

880-2-157

Not issued

Accounting Sales Order

880-2-156

SUM #14 CHG #15

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 12 December 1958

SO No. 880-2-155

Reference: (a) Delta Letter, File No. 142
dated 8 December 1958
(b) Commercial Change Proposal No. 196
(c) MCL No. 10,311
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

CONVAIR 880 - DELTA

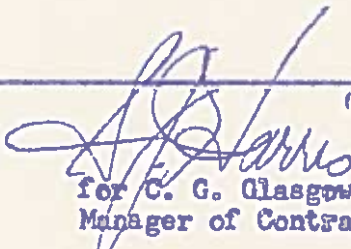
SPECIFICATION ADMINISTRATIVE CHANGE

(ATC TRANSPONDER, CHANGE FROM INSTALLATION TO PROVISIONS)

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,311, reference (c). Delta Airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (1/9/59) per reference (d).
3. This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:djm

Log No. 5574


for C. G. Glasgow
Manager of Contracts

RECEIVED

DEC 19 '58

PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

18 December 1958

No. 136

22-2

Reference: (a) S.O. 880-2-155 dated 12 December 1958
(b) Commercial Change Proposal No. 196
(c) MCL No. 10,311

1. SPECIFICATION ADMINISTRATIVE CHANGE - ATC TRANSPONDER, CHANGE FROM
INSTALLATION TO PROVISIONS

Delta Air Lines has accepted, as evidenced by reference (a), our proposal,
reference (b) prepared in accordance with MCL 10,311, reference (c).

Description of Change:

Page 102, Paragraph 3.17 4.4 RADAR SAFETY BEACON:


Revise paragraph to read as follows:

"RADAR SAFETY BEACON (PROVISIONS): Provisions shall be made for
the installation of a dual ATC transponder beacon system."

The following shall not appear in the Specification language:

The subject paragraph was not revised in Delta CCP No. 49 which
changed ATC transponder system for installation to provisions
for a dual system. The intent of this proposal is to correct
this oversight.

ACTION: All concerned are authorized to proceed with the above. Specifications
Group to forward revised specification pages to Contracts within four
weeks of Sales Order date.


A. J. Savard
Project Engineer

RECEIVED

DEC 19 '58

PROJECT
SPEC.
GROUP

AJS:JMC:rb

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 9 December 1958

SO No. 880-2-154

Reference: (a) Delta Letter, File No. 142
dated 5 December 1958

WO No. 30,000 Series

(b) Commercial Change Proposal No. 193

(c) MCL No. 10,308

(d) D.I.B. No. 4.010, Revised 27 May 1958

CONVAIR 880 - DELTA

CRASH ENERGY ABSORBER

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10,308, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (1/7/59) per reference (d).
3. This change results in an increase of guaranteed weight empty of 44 pounds per aircraft but does not affect performance or delivery schedule.

SJH:ajm

Log No. 5519

Al Harris
for C. C. Glasgow
Manager of Contracts

RECEIVED

DEC 12 '58

PROJECT
SPEC.
GROUP

7/11/58

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

Delta Minutes
15 December 1958

No. 135
22-2

Ref. (a) Sales Order 880-2-154 dated 9 December 1958

(b) Commercial Change Proposal No. 193

(c) MCL No. 10,308

1. Crash Energy Absorber

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 10,308, Reference (c).

Description of Change:

Page 105, Add the following new paragraph to the page, after paragraph 3.19.1.1.7:

"3.19.1.1.7.1 CRASH ENERGY ABSORBER: All cabin passenger seats shall be equipped with crash energy absorbers installed at each safety belt attachment point."

Page A-12, APPENDIX I-C, FURNISHINGS:

Revise the 12th item in the Description List as follows:

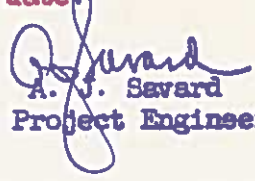
From: "84 passenger Safety Belts"

To: "72 Passenger Safety Belts, and Crash Energy Absorbers
12 Passenger Safety Belts (Club Area)"

This change results in a weight empty increase of 44 pounds per airplane.

ACTION: All concerned are directed to proceed with the incorporation of subject change. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:is


A. J. Savard
Project Engineer

RECEIVED

DEC 17 '58

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 3 December 1958
Revised: 5 December 1958
SO No. 880-2-153

WO No. 30,000 Series

Reference: (a) Delta TWX dated 2 December 1958
(b) Commercial Change Proposal No. 39D 99A - Proposal D
(c) MCL No. 10,155
(d) D.I.B. No. 4.010, Revised 27 May 1958

*Included in Sum 12 C/16 13
By Joe*

CONVAIR 880 - DELTA

52-INCH WIDE PASSENGER SEATS, INSTALLATION OF

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL 10, 155, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b). Delta Air Lines acceptance is based on the condition that the comments made at the seat review on 1 December 1958 will be incorporated in the seat (these comments are being forwarded under separate cover to Engineering Project Office).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/31/58) per reference (d).
3. This change results in an increase of guaranteed weight empty of 156 pounds per aircraft but does not affect contract price, performance or delivery schedule.

A. J. Davis
for C. G. Glasgow
Manager of Contracts

SJH:djm

Log No. 5493

Revised to correct CCP No.

RECEIVED

DEC 8 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

61-145442-15
RECEIVED

DELTA MINUTES
5 December 1958

No. 134
22-2

Reference: (a). S.O. 880-2-153 dated 3 December 1958
(b). Commercial Change Proposal No. 99A, proposal D
(c). MCL No. 10,155
(d). Attachment "Cabin Passenger Seats & Related CCP's",
dated 5 December 1958.

1. 52 ~~DELTA AIR~~ PASSENGER SEATS, INSTALLATION OF

Delta Air Lines has accepted, as evidenced by reference (a), our Proposal, reference (b), prepared in accordance with MCL 10,155, reference (c), and the conditions specified in the attachment, reference (d).

A copy of the proposed is attached.
AL

This change results in a weight empty increase of 156 pounds per aircraft.

ACTION: All concerned are authorized to proceed with the above in accordance with the attachment, reference (d). Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

RECEIVED

DEC 10 '58

PROJECT
SPEC.
GROUP

AJS:JMC:nej

A. J. Savard
A. J. Savard
Project Engineer

CONVAIR-SAN DIEGO

INC'D IN SUM CHG 13 & 14
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 3 December 1958

SO No. 880-2-152

Reference: (a) Delta TWX dated 2 December 1958
(b) Commercial Change Proposal No. 130C
(c) MCL No. 10,194
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

MODEL 880 - DELTA

PASSENGER SEAT FABRIC WEIGHTS, REVISION TO

1. Delta Air Lines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL No. 10,194, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/31/58) per reference (d).
3. This change results in an increase of guaranteed weight empty of 76 pounds but does not affect contract price, performance or delivery schedule.

SJH:djm

Log No. 5494

L. J. Harris
For C. G. Glasgow
Manager of Contracts

RECEIVED

DEC 8 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
5 December 1958

No. 133
22-2

Reference: (a) S.O. 880-2-132 dated 3 December 1958
(b) Commercial Change Proposal No. 130C
(c) MCL No. 10,194

1. PASSENGER SEAT FABRIC WEIGHTS, REVISION TO

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL 10, 194, reference (c).

The following shall not appear in Specification language:

The below listed item shows revised weight for seat fabric selected by Customer:

"Seat Upholstery (36 double seats) 16.0 oz"

NOTE: This CCP supplements CCP No. 130A and cancels CCP No. 130B.
The weight increase represented herein is for the additional
4.5 oz of fabric weight above the Convair basic weight of
11.5 oz.

This change results in a weight empty increase of 76 pounds per airplane.

ACTION: All concerned are authorized to proceed with the above


A. J. Savard
Project Engineer

AJS:JMC:rb

CONVAIR-SAN DIEGO

No Spec Change Required
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

DATE: 1 December 1958
REVISED: 12 December 1958
SO No: 880-2-151

Reference: (a) Delta letter, File No. 142
dated 24 November 1958
(b) Delta letter, File No. 142
dated 9 December 1958

WO No: 30,000 Series

DISTRIBUTION OF CONVAIR 880 TECHNICAL DATA

(1) In response to a recent request from Convair, Delta Air Lines reference (a) letter advises that technical data distributed to Delta should be addressed as follows:

A. Handbooks, Drawings and Manuals (under Article 11, Pages 11D, 11E and 11F) of the Purchase Agreement), should be shipped to:

~~G. B. Wilder~~
~~Assistant Vice President Operations - Technical~~
~~Delta Air Lines, Inc.~~
~~Atlanta Airport, Georgia~~

Mr. E. N. Christian
Manager - Technical Service
Engineering Department
Delta Air Lines, Inc., Atlanta Airport
Atlanta, Georgia

B. Training Material and Data should be shipped as follows:

Attention: D. C. Garrett
Superintendent Methods and Training
Delta Air Lines, Inc.
Atlanta Airport, Georgia

C. Vendor Proprietary Parts Data - Our vendors should be advised to forward these data direct to:

~~G. B. Wilder~~
~~Assistant Vice President Operations - Technical~~
~~Delta Air Lines, Inc.~~
~~Atlanta Airport, Georgia~~

Mr. E. N. Christian
Manager - Technical Service
Engineering Department
Delta Air Lines, Inc., Atlanta Airport
Atlanta, Georgia

(2) Copies of all transmittal letters covering the above data should be forwarded to:

J. F. Nyeum, Manager Flight Equipment Development
Delta Air Lines Office
c/o Douglas Aircraft Company
Santa Monica, California

and

C. J. May, Resident Representative
Delta Air Lines, Inc.
c/o Convair
Room 129, Building 19
San Diego 12, California

In addition, copies of the transmittal letters on Items 1 and 2 should be forwarded to Contracts Department.

RECEIVED

DEC 19 '58


PROJECT
SPEC.
GROUP

Sold to: Delta Air Lines, Inc.

1 December 1958
SO No. 880-2-151

- (3) Delta Air Lines has also requested that copies of letters covering transmittal of spare provisioning documents be forwarded to J. F. Nyeum and C. J. May, at the addresses indicated on the preceding page.

All departments concerned with the transmittal of technical data will be guided by the above shipping instructions.


for C. G. Glasgow
Manager of Contracts

SJH:djm

Log No. 51625576

Revised to add Ref. (b) and to correct
Par. 1, Items A and C.

bac: C. Dutton
H. E. Wolfe
W. T. Elliott
J. F. Alkazin (3)
W. F. Brown 6-122

RECEIVED

DEC 19 '58

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Airport
Atlanta, Georgia

Date: 25 November 1958

SO No: 880-2-150


WO No: 30,000 Series

MODEL 880 - DELTA AIR LINES
CHANGE ORDER NO. 8

- (1) Attached is a copy of Change Order No. 8 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. ZD-22-003 dated 20 September 1956 to incorporate Specification Change Nos. 84, 85B, 88, 89, 95, 96, 97, 100, 101 and 103 and Commercial Change Proposal Summary No. 7 on the Model 880 aircraft.

SJH:djm

Log No. 5439


J. G. Glasgow
Manager of Contracts

cc: E. Burke (w/exec. copy)
880 Project Office (w/attach (2))
Comm. Sales (w/attach)
H. A. Kaye (w/attach)
Contracts Staff Section (w/attach)
E. E. Johnson (w/attach)
J. Deig (w/attach)

W. F. Brown (6-122) (w/attach)
G. Whisler (93-00) (w/attach)
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Andersen & Company
Change Order No. 8 File (DAL)

RECEIVED

JAN 8 '59

PROJECT
SPEC.
GROUP

CHANGE ORDER NO. 8
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 84, 85B, 88, 89, 95, 96, 97, 100, 101 and 103 and Commercial Change Proposal Summary No. 7 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 7 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 7 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 84 - Deletion of Anti-Icing Provisions and Installation of a Rexome Rain Erosion Boot (Pages 27, 102, 121 and 122A)

Recurring Credit
Non-Recurring Charge

Total Credit

Per Airplane	Total for 10 Airplanes
\$ 196.00	\$ 1,960.00
85.00	850.00
<u>\$ 111.00</u>	<u>\$ 1,110.00</u>

2. Change No. 85B - National Aircraft Standard Fasteners, Use of (Page 2)

No Charges or Credits

3. Change No. 88 - Revision of Auto Pilot, Installation of Rotary Rudder Servo in Lieu of Linear Actuator (Page A-8)

No Charges or Credits

RECEIVED

JAN 8 '59

PROJECT
SPEC.
GROUP

CHANGE ORDER NO. 8
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1955

4. Change No. 89 - Specification Administrative
Change (Air Conditioning System) (Page 123)

No Charges or Credits

5. Change No. 95 - Flush Type Mooring Attachments,
Deletion of (Page 124)

No Charges or Credits

6. Change No. 96 - Specification Administrative
Change (Circuit Protection) (Page 96)

No Charges or Credits

7. Change No. 97 - Specification Administrative
Change (ZM-256 to O-09001) (Pages 7, 66, 67, 68,
70, 92 and 94)

No Charges or Credits

8. Change No. 100 - Tinted Interior Cabin Windows,
Installation of (Page 28)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring Charge	\$ 17.00	\$ 170.00
Non-Recurring Charge	58.00	580.00
Total Charge	<u>\$ 75.00</u>	<u>\$ 750.00</u>

9. Change No. 101 - Second Hydraulic Reservoir
Gage, Addition of (Pages 59, 59A, 64, 64A and A-10)

No Charges or Credits

10. Change No. 103 - Specification Administrative
Change (Change Fig. 3.14-3 to 3.14-1) (Page 58)

No Charges or Credits

11. Summary of the foregoing charges and/or credits:

Recurring Credits	\$ 179.00	\$ 1,790.00
Non-Recurring Charges	<u>143.00</u>	<u>1,430.00</u>
Total Credits	<u>\$ 36.00</u>	<u>\$ 360.00</u>

RECEIVED

JAN 8 '59

PROJECT
SPEC.
GROUP

CHANGE ORDER NO. 8
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

- G. The attached Specification Change Nos. 84, 85B, 88, 89, 95, 96, 97, 100, 101 and 103 and Commercial Change Proposal Summary No. 7 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.
- H. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

this 18th day of November 1958

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By /s/ C. H. Dalsen

By /s/ Thomas B. Eastland, Jr.

Title Vice President - Operations

Title Chief of Contract Administration
Convair Division (San Diego)

RECEIVED

JAN 8 '59

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SUM 18 CHG 19

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

DATE: 24 November 1958

SO No: 880-2-149

Reference: (a) Telecom, Nyeum to Harris
21 November 1958

WO No: 30,000 Series

(b) Commercial Change Proposal No. 181

(c) MCL 10,297

(d) D.I.B. No. 4.010, Revised 27 May 1958

MODEL 880 - DELTA

ALTIMETER, REVISION TO

- (1) Delta Air Lines has accepted per Reference (a), our proposal Reference (b), prepared in accordance with MCL 10,297, Reference (c). Delta airplanes Nos. 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/22/58) per Reference (d).
- (3) This change has no effect on aircraft weight, performance or delivery schedule


RECEIVED

NOV 26 '58

PROJECT
SPEC.
GROUP

SJH:djm

Log No. 5476


for F. G. Glasgow
Manager of Contracts

122

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
28 November 1958

No. 132

22-2

Reference: (a) S.O. 880-2-149 dated 24 November 1958
(b) Commercial Change Proposal No. 181
(c) MCL No. 10,297

1. ALTIMETER, REVISION TO

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL 10,297, reference (c).

Description of Change:

Page A-9, APPENDIX I-C, INSTRUMENTS AND RELATED EQUIPMENT:

Change the first item under "Kollsman Integrated Instrument System" as follows:

From:	"2 Altimeter Scale Error and Corrector Package	Kollsman	A30410-00-001"
To:	"2 Altimeter Scale Error and Corrector Package	Kollsman	A32667-10-001"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:rb


A. J. Seward
Project Engineer

RECEIVED

DEC 1 '58

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

SM# 14 CHG# 15
Date: 18 November 1958
Revised: 25 November 1958
SO No: 880-2-148

Reference: (a) Delta Letter, File 142,
dated 14 November 1958
(b) Commercial Change Proposal No. 184A
(c) MCL No. 10,303
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

DELTA - MODEL 880
CAR AMENDMENT 4b-9, INCLUSION OF IN SPECIFICATION

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 10,303, Reference (c), on the following conditions:
 - (a) Under paragraph 2.1, APPLICABLE FEDERAL SPECIFICATIONS, delete the statement "4b-8 (not applicable)" from subject Proposal.
 - (b) Delete the words "For Preliminary Use Only" in the statement referring to the sketch enclosed with the Commercial Change Proposal.
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/16/58) per Reference (d).
- (3) This change has no effect on contract price, aircraft-weight, performance nor delivery schedule. This change results in an increase in weight of six (6) pounds per aircraft.
- (4) All departments concerned are directed to proceed with the change outlined in Reference (b) and in accordance with the conditions set forth in Paragraph 1 above.

RECEIVED

DEC 1 '58

PROJECT
SPEC.
GROUP

[Handwritten signature]
SJH:djm

Log No. 5385 5436

Revision to correct Par. 3.

[Handwritten signature]
C. G. Glasgow
Manager of Contracts

CHANGE ORDER NO. 8
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 84, 85B, 88, 89, 95, 96, 97, 100, 101 and 103 and Commercial Change Proposal Summary No. 7 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 7 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 7 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 84 - Deletion of Anti-Icing Provisions and Installation of a Radome Rain Erosion Boot (Pages 27, 102, 121 and 122A)

Recurring Credit
Non-Recurring Charge

Total Credit

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
	\$ 196.00	\$ 1,960.00
	85.00	850.00
	<u>\$ 111.00</u>	<u>\$ 1,110.00</u>

2. Change No. 85B - National Aircraft Standard Fasteners, Use of (Page 2)

No Charges or Credits

3. Change No. 88 - Revision of Auto Pilot, Installation of Rotary Rudder Servo in Lieu of Linear Actuator (Page A-8)

No Charges or Credits

CHANGE ORDER NO. 8
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

4. Change No. 89 - Specification Administrative
Change (Air Conditioning System) (Page 123)

No Charges or Credits

5. Change No. 95 - Flush Type Mooring Attachments,
Deletion of (Page 124)

No Charges or Credits

6. Change No. 96 - Specification Administrative
Change (Circuit Protection) (Page 96)

No Charges or Credits

7. Change No. 97 - Specification Administrative
Change (ZM-256 to O-09001) (Pages 7, 66, 67, 68,
70, 92 and 94)

No Charges or Credits

8. Change No. 100 - Tinted Interior Cabin Windows,
Installation of (Page 28)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring Charge	\$ 17.00	\$ 170.00
Non-Recurring Charge	<u>58.00</u>	<u>580.00</u>
Total Charge	<u>\$ 75.00</u>	<u>\$ 750.00</u>

9. Change No. 101 - Second Hydraulic Reservoir
Gage, Addition of (Pages 59, 59A, 64, 64A and A-10)

No Charges or Credits

10. Change No. 103 - Specification Administrative
Change (Change Fig. 3.14-3 to 3.14-1) (Page 58)

No Charges or Credits

11. Summary of the foregoing charges and/or credits:

Recurring Credits	\$ 179.00	\$ 1,790.00
Non-Recurring Charges	<u>143.00</u>	<u>1,430.00</u>
Total Credits	<u>\$ 36.00</u>	<u>\$ 360.00</u>

CHANGE ORDER NO. 8
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

- G. The attached Specification Change Nos. 84, 85B, 88, 89, 95, 96, 97, 100, 101 and 103 and Commercial Change Proposal Summary No. 7 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.
- H. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

this 18th day of November 1958

DELTA AIR LINES, INC.

By /s/ C. H. Dolson

Title Vice President - Operations

GENERAL DYNAMICS CORPORATION

By /s/ Thomas B. Eastland, Jr.

Title Chief of Contract Administration-
Convair Division (San Diego)

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

25 November 1958

No. 131
22-2

Reference: (a) S. O. 880-2-148 dated 18 November 1958, revised 25 November 1958
(b) Commercial Change Proposal No. 184A
(c) MCL NO. 10,303

1. CAR Amendment 4b-9, Inclusion of in Specification

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL No. 10,303, Reference (c), with the following condition: Delete the words "For Preliminary Use Only" in the statement referring to the sketch enclosed with the Commercial Change Proposal.

Description of Change:

Page 7, Paragraph 2.1, APPLICABLE FEDERAL SPECIFICATIONS:

Delete the following from the end of the last item in the amendment list:

"; and"

Add the following item to the amendment list:

4b-9 adopted 27 August 1958; and"

Page 114, Paragraph 3.19.5.4 INDIVIDUAL OUTLETS:

In the first sentence, delete the word "lavatories", and add the following sentence after the first sentence:

"Two oxygen outlets shall be provided in each lavatory,"

Page 114, Paragraph 3.19.5.5 MASKS:

Delete the following sentence from the paragraph:

"One oxygen outlet shall be provided in each lavatory."

This change results in a weight increase of 6 pounds per aircraft.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four week of Sales Order date.

RECEIVED

DEC 3 '58

PROJECT
SPEC.
GROUP


A. J. Seward
Project Engineer

AJB:JMC:18

Sum #14 CHG #15

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 November 1958
Revised: 20 November 1958
SO No. 880-2-147

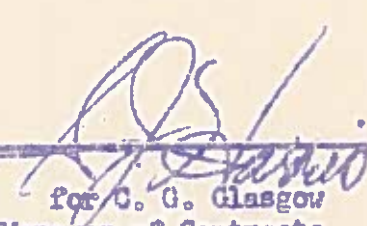
Reference: (a) Delta Letter, File 142
dated 11/12/58
(b) Commercial Change Proposal No. 188
(c) MCL No. ~~10,345~~ 10,355
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

MODEL 380 - DELTA

Installation Cabin Altitude Indicator Light

1. Delta Air Lines has accepted by Reference (a) our proposal, Reference (b), prepared in accordance with MCL No. ~~10,345~~ 10,355, Reference (c). Delta airplane Nos. 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/11/58) per Reference (d).
3. This change has no effect on contract price, weight, performance or delivery schedule.


for C. G. Glasgow
Manager of Contracts

SJH:djm

Log No. ~~5246~~ 5401

Revised to correct MCL No.

RECEIVED

NOV 24 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
25 November 1958

No. 130
22-2

Reference: (a) S.O. 880-2-147 dated 20 November 1958
(b) Commercial Change Proposal No. 188
(c) MCL No. 10,355

1. INSTALLATION CABIN ALTITUDE INDICATOR LIGHT

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 10,355, Reference (c).

Description of Change:

Page 59, Paragraph 3.14.1.4 FLIGHT ENGINEER'S INSTRUMENTS:

Add the following item to the instrument list:

"One indicator light, cabin altitude warning"

Page 122, Paragraph 3.20.2.1 DESIGN DIFFERENTIAL PRESSURE:

Add the following sentence after the third sentence which ends in the ninth line:

"An indicator light shall be provided on the flight engineer's panel to indicate cabin altitude warning."

ACTION; All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date


A. J. Savard
Project Engineer

CONVAIR-SAN DIEGO

SUM# 14 CHG# 15
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 November 1958

SO No. 880-2-146

Reference: (a) Delta Letter, File 142
dated 11/7/58
(b) Commercial Change Proposal No. 190
(c) MCL No. 10,304
(d) D.I.B. No. 4.010, Revised 27 May 1958


WO No. 30,000 Series

MODEL 880- DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

CHANGE TAIL CONE FROM INTERCHANGEABLE TO REPLACEABLE

1. Delta Airlines has accepted by Reference (a) our proposal, Reference (b), prepared in accordance with MCL No. 10,304, Reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
2. Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/11/58) per Reference (d).
3. This change has no affect on contract price, weight, performance or delivery schedule.


for G. G. Glasgow
Manager of Contracts

SJH:djm
Log No. 5341

RECEIVED

NOV 14 '58

PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

Delta Minutes

18 Nov. 1958

No. 129
22-2

Reference: (a) S. O. 880-2-146 dated 13 November 1958
(b) Commercial Change Proposal No. 190
(c) MCL No. 10,304

1. SPECIFICATION ADMINISTRATION CHANGE - CHANGE TAIL CONE FROM INTERCHANGEABLE TO REPLACEABLE

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), prepared in accordance with MCL 10,304, Reference (c).

Description of Change:

Page 125, Paragraph 3.23.1 EQUIPMENT INTERCHANGEABILITY:

Delete "tail cone" from "1. Interchangeable Parts"

Page 126, Paragraph 3.23.1 EQUIPMENT INTERCHANGEABILITY:

Add the following item under "5. Replaceable Parts"

"Tail Cone"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JEC:is


A. J. Seward
Project Engineer

RECEIVED
NOV 19 '58
PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

Sum CHG
INC'D IN 13 X 14

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 10 November 1958

SO No. 880-2-145

Reference: (a) Delta letter, File 142,
dated 9 November 1958
(b) Commercial Change Proposal No. 175
(c) MCL No. 289
(d) D.I.B. No. 4.010, Revised 27 May 1958
(e) Delta Air Lines, Convair meeting 6 November 1958

WO No. 30,000 Series

MODEL 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE

(Landing Gear Warning Horn and Deletion of Landing Control Throttle Switches)


1. Delta Airlines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL No. 289, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).

2. In accordance with reference (e) meeting Delta accepted our Commercial Change Proposal, reference (b), as based on the condition that the first sentence of the second paragraph on page 80, paragraph 3.16.11.1 be changed to read as follows:

"When any landing gear is not fully extended and locked with the aircraft airborne, the horn will operate if any power lever is retarded or if the flaps are immediately beyond the approach position."

3. Engineering Specification Section will revise the wording of the Commercial Change Proposal as indicated above and forward necessary revised specification pages to the Contracts Department within four (4) weeks (5 December 1958) per reference (d).

4. This change does not affect aircraft weight, performance, delivery schedule or contract price.


C. Glasgow
Manager of Contracts

SJH:djm

Log No. 5315

RECEIVED

NOV 12 '58

PROJECT
SPEC.
GROUP

JG

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

Delta Minutes
17 November 1958

No. 128
22-2

Reference: (a) S. O. 880-2-145 dated 10 November 1958
(b) Commercial Change Proposal No. 175
(c) MCL No. 10,289

Specification administrative change
Landing gear warning horn and deletion of landing control throttle switches.

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 289, Reference (c).

Description of Change:

Page 32, Paragraph 3.8.1.2 CONTROLS:

Revise the fifth sentence, starting in the 12th line to read as follows:

"The control lever shall remain locked until the left hand shock strut is extended and both main landing gear trucks are in the level zone."

Page 80, Paragraph 3.16.11.1 LANDING GEAR WARNING HORN:

Revise the paragraph title and paragraph to read as follows:

"LANDING GEAR AND STABILIZER WARNING HORN: A horn shall be provided to operate under the following conditions:

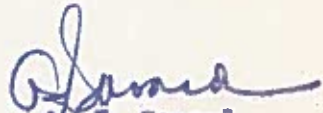
When any landing gear is not fully extended and locked with the aircraft airborne, the horn will operate if any power lever is retarded or if the flaps are immediately beyond the approach position. The power lever retard function will have a horn interrupter switch.

When the aircraft is ground borne, the horn will operate if the landing gear override lever is moved.

When the airplane is on the ground and any two or more of the power levers are advanced to take-off position, the horn will operate if the stabilizer and/or the flaps are not in the correct take-off position."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JC:is


A. J. Seward
Project Engineer

CONVAIR-SAN DIEGO

SUM # 14 CHG # 15
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 5 November 1958

SO No. 880-2-144

Reference: (a) Delta letter, File 142,
dated 3 November 1958
(b) Commercial Change Proposal No. 185
(c) MCL No. 10,301
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

MODEL 880 - DELTA

RECIRCULATION FAN, AIR CONDITIONING SYSTEM, REPLACEMENT OF

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL 10,185, Reference (c), with the following exception: The last paragraph appearing under "The following shall not appear in the Specification language" is to be deleted. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (12/3/58) per Reference (d).
- (3) This change has no effect on contract price, weight, performance or delivery schedule.

SJH:js

Log No. 5296


J. C. Glasgow
Manager of Contracts

RECEIVE

NOV 7 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

[Handwritten signature]

DELTA MINUTES
7 November 1958

No. 127
22-2

Reference: (a) S.O. 880-2-144 dated 5 November 1958
(b) Commercial Change Proposal No. 185
(c) MCL No. 10,301

1. RECIRCULATION FAN, AIR CONDITIONING SYSTEM, REPLACEMENT OF

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 10,301, Reference (c), with the following exception:

- (a) The last paragraph appearing under "The following shall not appear in the specification language," is to be deleted.

Description of Change:

Page A-14, APPENDIX I-C, PRESS, ANTI-ICING AND AIR COND. EQUIPT:

Change the sixth item in the Description List as follows:

From: "1 Recirculation Blower (cabin air) Ham.
Standard 522200"

To: "1 Recirculation Blower (cabin air) Ham.
Standard 545751"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

[Handwritten signature]
A. J. Savard
Project Engineer

AJS:JMC:jh

RECEIVED

NOV 11 '58

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

SOM AG
/NCD IN 10811

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 31 October 1958

SO No. 880-2-143

Reference: (a) Delta letter, File 142,
dated 24 October 1958
(b) Commercial Change Proposal No. 138
(c) MCL No. 206
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series

MODEL 880 - DELTA

CABIN MODIFICATION AND INSTALLATION OF TWELVE (12) PLACE CLUB AREA

1. Delta Airlines has accepted by reference (a) our proposal, reference (b), prepared in accordance with MCL No. 206, reference (c). Delta airplane numbers 1 through 10 are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
2. Delta Airlines' acceptance of reference (b) Commercial Change Proposal is based on the condition that this proposal will be revised to include the following:
 - (a) Add a statement at the bottom of page 5 which will not be included in specification language but is provided for information only as follows:

"The weights reflected in this CCP do not duplicate any weight items included in CCP 130A (interior fabric weights) previously approved by Delta Airlines on 27 August 1958".
 - (b) On Page 4 under the reference to page A-2, Appendix I-C Electrical System add "forty-four (44) Valance type fluorescent lights".
3. Engineering Specification Section will revise Commercial Change Proposal No. 138 as indicated above and forward necessary revised specification pages to the Contracts Department within four (4) weeks (11/28/58) per reference (d). A separate change order summary will be prepared for this proposal.
4. This change results in an increase of guaranteed weight empty of 351.8 pounds but does not affect performance or delivery schedule.

FOR ACCOUNTING DEPARTMENT ONLY

5. This change results in an increase in price per aircraft of \$4,000 as follows:

Recurring	\$4,000 per aircraft
Non-recurring	None

RECEIVED

for a total contract increase of \$40,000. All non-recurring costs in connection with this change have been absorbed by Convair.

NOV 5 '58

PROJECT
SPEC.
GROUP

SJH/mm

Log No. 5246

[Signature]
G. Glasgow
Manager of Contracts

Fitz

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
5 November 1958

No. 126
22-2

Reference: (a) S.O. 880-2-143 dated 31 October 1958
(b) Commercial Change Proposal No. 138
(c) MCL No. 206

1. CABIN MODIFICATION AND INSTALLATION OF TWELVE (12) PIA CE CLUB AREA

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL No. 206, reference (c).

Delta Air Lines' acceptance of reference (b) Commercial Change Proposal is based on the condition that this proposal will be revised to include the following:

- (a) Add a statement at the bottom of page 5 which will not be included in specification language but is provided for information only as follows:

"The weights reflected in this CCP do not duplicate any weight items included in CCP 130A (interior fabric weights) previously approved by Delta Air Lines on 27 August 1958".

- (b) On page 4 under the reference to page A-2, Appendix I-C Electrical System add "forty-four (44) Valance type fluorescent lights".

A copy of the proposal, reference (b), is attached.

This change results in a guaranteed weight empty increase of 351.8 pounds per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date. A separate Change Order summary will be prepared for this proposal.

A. J. Savard
A. J. Savard
Project Engineer

AJS:JMC:rb

RECEIVED

NOV 7 '58

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

INC'D IN 134146
Date: 22 October 1958

SO No. 880-2-142

Reference: (a) Delta letter, File 142,
dated 17 October 1958
(b) Commercial Change Proposal No. 177
(c) MCL No. 290
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No. 30,000 Series


MODEL 880 - DELTA

VC RECORDERS, PROVISIONS FOR

- (1) Delta Air Lines has accepted per Reference (a), our proposal Reference (b), prepared in accordance with MCL 290, Reference (c). Delta airplanes Nos. 7 through 10 only are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/19/58) per Reference (d).
- (3) This change results in no increase of specification weight but shall be taken into consideration in the "as weighed figures" as required. This change has no effect on contract price, performance or delivery schedule.

SJH:js

Log No. 5174


J. G. Glasgow
Manager of Contracts

RECEIVED

OCT 23 '58

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

W. L. Brown 6-122
no spec. change REQD
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 22 October 1958
Revised: 24 October 1958
SQ No. 880-2-141

Reference: (a) Convair letter 11-5-4188,
dated 16 September 1958
(b) Amendment No. 2 to Purchase Agreement
By and Between General Dynamics Corporation
and Delta Air Lines, Inc.

WO No. 30,000 Series

DELTA - MODEL 880

AMENDMENT NO. 2

- (1) Under the Purchase Agreement, Article 11, paragraph (c), subparagraphs (b)(1) and (3), Convair agreed to supply Delta the following:

- (1) 2 blueprint copies main assembly and installation drawings.
(3) 2 ~~reproduced~~ copies of numerical ~~drawings~~ list of main assembly and installation drawings.

Reference (a) letter, covered the transmittal of Amendment No. 2 to the Convair/Delta Purchase Agreement which proposed the deletion of the above mentioned drawings while substituting in lieu thereof one (1) set of microfilm integrated drawings consisting of all components, main assemblies and installations. Delta Air Lines has agreed to this Amendment to the Purchase Agreement as evidenced by the execution of reference (b).

- (2) The microfilm integrated drawings are to be supplied concurrently with initial spares procurement documents, as set forth in Article 1(a) of the Purchase Agreement with revisions thereto until delivery of the last aircraft.
- (3) All departments concerned are authorized to proceed accordingly.

SAH:js

Doc. No. ~~5175~~ 5195

Revision to para. (1)

[Signature]
R. Claspow
Manager of Contracts

RECEIVED

OCT 27 '58

PROJECT
SPEC.
GROUP

CONVAIR-SD

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 14 October 1958
SO No: 880-2-140
WO No: 30,000 Series

MODEL 880 - DELTA


AMENDMENT NO. 2

- (1) Attached is a copy of Amendment No. 2 to Purchase Agreement between Delta Air Lines, Inc. and General Dynamics Corporation (Convair Division),
- (2) This Amendment results in a decrease in total contract price of \$3,427.00.

SJH:js

Log No. 5118

cc: E. Burke (w/exec copy)
880 Project Office (w/attach (2))
Comm. Sales (w/attach)
H. A. Kayes (w/attach)
Contracts Staff Section (w/attach)
E. E. Johnson (w/attach)
J. Doig (w/attach)


W. F. Brown
Manager of Contracts

W. F. Brown (6-122) (w/attach)
G. Whisler (93-00) (w/attach)
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company
Amendment No. 2 File (Delta)

RECEIVED

OCT 15 '58

PROJECT
SPEC.
GROUP

SUM #14 CHG #15

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta, Municipal Airport
Atlanta, Georgia

Date: 14 October 1958

SO No: 880-2-139

Reference: (a) Delta Letter, File 142, dated
11 October 1958
(b) Commercial Change Proposal No. 183
(c) MCL No. 299
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series


DELTA - MODEL 880

SPECIFICATION ADMINISTRATIVE CHANGE (VERTICAL TAIL NOMENCLATURE)

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL 299, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/11/58) per Reference (d).
- (3) This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:js

Log No. 5117


J. G. Glasgow
Manager of Contracts

RECEIVED

OCT 15 '58

PROJECT
SPEC.
GROUP

CONFIDENTIAL
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES
16 October 1958

No. 123
22-2

Reference: (a) S.O. 880-2-139 dated 14 October 1958
(b) Commercial Change Proposal No. 183
(c) MCL No. 299

1. SPECIFICATION ADMINISTRATIVE CHANGE (VERTICAL TAIL NOMENCLATURE)

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL 299, Reference (c).

Description of Change:

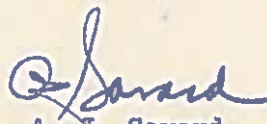
Page 5, Paragraph 1.2 General Description

Change: In Line 7, the words "vertical tail"

To: "Fuselage"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:eed


A. J. Savard
Project Engineer

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

INC'D IN 13 & 14
Date: 13 October 1958

SO No: 880-2-138

Reference: (a) Delta TWX dated 11 October 1958
(b) Commercial Change Proposal No. 173A
(c) MCL No. 277
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

RAMP WEIGHT AND TAKEOFF WEIGHT, INCREASE OF

- (1) Delta Air Lines has accepted per Reference (a), our proposal Reference (b), prepared in accordance with MCL 277, Reference (c). Delta airplanes Nos. 3 through 10 only are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/10/58) per Reference (d).
- (3) This change results in a weight increase of 84 pounds per aircraft with no effect on aircraft performance nor delivery schedule.
- (4) This Sales Order cancels and supersedes Sales Order No. 880-2-134.

SJH:js

Log No. 5107

J. C. Glasgow
J. C. Glasgow
Manager of Contracts

RECEIVED

OCT 14 '58

PROJECT
SPEC.
GROUP

2-4-60
HOLD, STILL NEGO.

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 10 October 1958

SO No: 880-2-137

Reference: (a) Delta letter, File 142,
dated 8 October 1958
(b) Commercial Change Proposal No. 178
(c) MCL No. 298
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

BLEED AIR SYSTEM VALVES, CORROSION PREVENTION REVISION TO

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL 298, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/7/58) per Reference (d).
- (3) This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:js

Log No. 5108


C. G. Glasgow
Manager of Contracts

RECEIVED

OCT 14 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES
16 October 1958

No. 121
22-2

Reference: (a) S.O. 880-2-137
(b) Commercial Change Proposal No. 178
(c) MCL No. 298

1. BLEED AIR SYSTEM VALVES, CORROSION PREVENTION REVISION TO:

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), to minimize the possibility of internal corrosion due to use of dissimilar metals in the Bleed Air System Valves.

EFFECTIVITY: 22-1 #9 & on, 22-2 #3 & on.

ACTION: All concerned are authorized to proceed with the above.

JS:JMC:eed


A. J. Savard
Project Engineer

W. J. Bennett-122
NO SPEC CHG REQUIRED
SALES ORDER

CONVAIR-SD

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 6 October 1958

SO No: 880-2-136

Reference: (a) Delta letter dated 3 October 1958
(b) Telecon, Mellinger (880 Project Office)
and Harris (Contracts) 6 October 1958

WO No: 30,000 Series

MODEL 880 - DELTA

DELTA OWNED MATERIAL - PLUG-IN TRAY TABLE

- (1) Delta Air Lines has loaned to Convair one (1) formica top plug-in tray table for use in proofing Convair Model 880 seats. The customer has transmitted this table to Convair Contracts Department, Room 100, Building 19 in accordance with reference (a).
- (2) Receiving Department is requested to originate a dummy receiving report to record receipt of the tray table in accordance with the above. One (1) copy of this receiving report should be forwarded to Contracts Department, Attention: S. J. Harris, Building 19, Room 100 (Mail Zone 11-00).
- (3) Material Stores is requested to originate a dummy requisition indicating issuance of the unit to the Engineering Department (Furnishings Group, Attention: Gail Sherman, Ext. 1104) in order that a record may be maintained of the transaction.
- (4) For purposes of maintaining accountability and insurance on the tray table, Material Department is hereby advised that the article has an approximate value of \$100.00.
- (5) Commercial Contracts will effect final disposition for return of the unit to Delta by issuing a revision to this Sales Order.

SJH:js

Log No. 5075

[Signature]
G. Glasgow
Manager of Contracts

RECEIVED

OCT 8 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

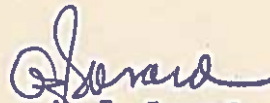
DELTA MINUTES
10 October 1958

NO. 120
22-2

Reference: (a) S.O. 880-2-136 dated 6 October 1958

1. DELTA OWNED MATERIAL - PLUG-IN TRAY TABLE

Delta Air Lines has loaned to Convair one (1) formica top plug-in tray table for use in proofing Convair Model 880 Seats. This tray table will be issued to the Engineering Department, (Furnishings Group, Attention: Gail Sherman, Ext. 1104.) Final disposition for return of the unit to Delta will be effected by revision to Reference (a) Sales Order.


A. J. Savard
Project Engineer

Accounting Sales Order

880-2-135

CANCELLED

Revised: 13 October 1958
Date: 6 October 1958

Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

SO No: 880-2-134

- Reference:
- (a) Telex, Nycum to S.J. Harris
6 October 1958
 - (b) Commercial Change Proposal No. 17
 - (c) MCL No. 277
 - (d) D.I.B. No. 4-010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

RAMP WEIGHT AND TAKEOFF WEIGHT, INCREASE OF

- (1) Delta Air Lines has accepted per Reference (a), our proposal Reference (b), prepared in accordance with MCL 277, Reference (c). Delta airplanes Nos. 1 through 10 only are affected by this change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (11/4/58) per Reference (d).
- (3) This change results in a weight increase of 78 pounds per aircraft with no effect on aircraft performance nor delivery schedule.
- (4) Reference (c) MCL being revised to reflect increase in gross takeoff weight from 183,500 to 184,500. This information being developed on expedited basis and customer acceptance or rejection expected by 10 October 1958. This Sales Order will be revised accordingly.

SH:js

Log No. 5109

W. G. Glasgow
W. G. Glasgow
Manager of Contracts

RECEIVED

Cancelled and superseded by Sales Order 880-2-138

OCT 14 '58

PROJECT
SPEC
GROUP

5 December 1958

ATTACHMENT TO DELTA MINUTES #134
Model 22-1
(Cabin Passenger Seats and Related CCP's)

The design must incorporate all items contained in the memo, Project Office to Furnishings Group, (Mallinger/Bachett) dated 28 November 1958, "Design Revisions to Cabin Passenger Seats Prior to Production Engineering Model 22." Customer comments in accordance with those items outlined below shall be incorporated. Where there may be a conflict between the Delta memo and the Project Office memo, the Delta memo shall have priority. Project Office comments are contained in parenthesis beside the conjectural items noted below:

Under MEL 10,310 the Furnishings Group has 300 hours which shall be used to lay out the revision to the adjustable head rest in order to meet CAA dealthalizer requirements in addition to providing full time coordination during the seating vendor's production engineering program. It is absolutely mandatory that no delays to production engineering be incurred which could be chargeable to Convair's Engineering Department. The production engineering phase is scheduled for completion 60 calendar days subsequent to 8 December 1958.

The Delta comments follow:

UPHOLSTERY

1. The upholstery application in general is not satisfactory. More "snap" is needed to attain a professional appearance.
2. Foam or a similar material is needed on the inboard end of the bottom structure under the fabric cover. (Allowance shall be made for access to recline lock support rivets)
3. A means should be provided for retaining the fabric on the seat back under the tray table. A trim strip at the color break line could be used to accomplish this objective.
4. Seat back covers should be interchangeable.
5. Three snaps are required for attaching the head rest cover. (Location, dimension, etc. are to be furnished to Convair).

SEAT BACK

1. Additional support in the kidney region is required in the back cushion. The comfort in this area obtained in the "iron horse" should be regained.
2. The metal fairing on the lower inboard side of the back should have rounded edges to prevent shoe scuffing. (Weight shall be reduced on these metal panels. The installation bolts shall not interfere with the structural attachment of the seat back. The outboard fairing shall be redesigned for greater rigidity).

SEAT BOTTOM

1. The bottom pan should be notched to permit the back to fold forward after removal of the bottom cushion.
2. The angle of the bottom needs to be increased to prevent sliding forward.

SEAT BOTTOM - (cont)

2. A suitable solution was demonstrated by placing a strip of foam under the forward edge of the softer molded cushion. The maximum height from the floor to the top of the cushion leading edge should be 18 inches

ASH TRAY

1. The aft stop on the ash tray cover should be moved forward.
2. The forward land in the ash tray should be deleted.
- 3 There would be no objection to raising the ash tray cover slightly (This shall be accomplished).

FLOOR ATTACHMENTS

1. The pip pin retainers should be deleted. (Rubber Straps)
2. The pip pins should be hidden (Maximum of 1/8 inches visible)

TRAY TABLE

1. The glass recess in the tray table should be moved forward one inch

LIFE VEST STOWAGE

1. The center upholstery Bungee should be used to retain the life vest A tab (and snap or lift-the-dot) should be provided for ease of vest removal.

SEAT BELT

1. Delta seat belt has a fabric loop at each end. The length of one side from the loop to the end of the buckle is 18 1/2" The length of the other side from the loop to the end of the tab is 28". Vendor and color to be supplied by Delta.

MELL:is

Prepared by H. A. Mollinger
H. A. Mollinger

A

Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Revised:

24 February 1959

CU No.

830-13

(a) Delta Detail Specification
paragraph 6.1.1.1

(b) Delta letter, File 142,
dated 10 September 1958

(c) Delta Air Lines letter, File No. 142
dated 12 February 1959

MODEL 880 - DAL

DELTA OWNED MATERIAL - ATC TRANSPONDERS

Delta Air Lines has loaned to Convair two (2) each ATC transponders type 621A-1, Serial Nos. 22 and 23 for the use of functional checking of provisions on Delta's ten Model 880 airplanes as required by Reference (a). The customer has transmitted these to Convair Contracts Department, Room 100, Building 19 in accordance with reference (b).

Receiving Department is requested to originate a dummy receiving report to record receipt of the transponders in accordance with the above. One copy of this receiving report should be forwarded to Contracts Department, Attention: C. J. Harris, Building 19, Room 100 (Mail Box 11-00). These transponders will be forwarded to Material Stores, Building 43, Plant 2, Attention: S. S. S. These units will be used by Field Operations to functionally check the provisions being installed in Delta's aircraft by Convair. In order that a record may be maintained of this transaction, units, when required, will be requisitioned from Material Stores in the normal manner.

For the purpose of maintaining accountability and insurance on the above units, Material Department is hereby advised that the articles have an approximate value of \$3,000 each.

Commercial Contracts will effect final disposition for return of the units to Delta by issuing a revision to this Sales Order.

- (5) Under reference (c) Delta has advised that they have elected to install Wilcox transponders after delivery of their Convair 880 aircraft instead of the Collins units provided as outlined above. The two (2) each ATC transponders, Collins Type 621A-1, Serial Nos. 22 and 23, are to be shipped immediately to Delta Air Lines, Attention: C. J. May, Building 19, Room 129.

4-23 526

Revised: To add Par. (5).

C. J. Harris
Manager of Contracts

CONVAIR-SAN DIEGO

SALES ORDER

Sold To: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

INC 1 13 2 14
Date: 17 September 1958

SO No: 880-2-131

Reference: (a) Delta letter, File 142,
dated 16 September 1958
(b) Commercial Change Proposal No. 176
(c) MCL No. 291
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE (STATIC SELECTOR VALVE)

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL 291, Reference (c), with the understanding that the subject rotary valve will be identical to the valve used in Delta's DC-8 aircraft. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/16/58) per Reference (d).
- (3) This change has no effect on aircraft weight, performance, delivery schedule or contract price.

SJH:js

Log No. 4929

J. S. Glasgow
J. S. Glasgow
Manager of Contracts

RECEIVED
SEP 22 '58
PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

No. 117

22-2

Reference: (a) S.O. No. 880-2-131 dated 17 September 1958
(b) Commercial Change Proposal No. 176
(c) MCL No. 291

1. SPECIFICATION ADMINISTRATIVE CHANGE (STATIC SELECTOR VALVE)

Delta Air Lines has accepted, as evidenced by reference (a), our proposal reference (b), prepared in accordance with MCL 291, reference (c), with the understanding that the subject rotary valve will be identical to the valve used in Delta's DC-8 aircraft. A

Description of Change:

Page 60, Paragraph 3.14.3.2.2 STATIC SELECTOR VALVES:

Change the following words in the first line:

From: "toggle-type"
To: "rotary-type"

Change the following word in the last line:

From: "instrument"
To: "auxiliary"

ACTION: All concerned are authorized to proceed accordingly. Specifications Group to forward necessary revised specification pages to Contracts within four weeks of Sales Order date.

rb


A. J. Savard
Project Engineer

RECEIVED

SEP 19 '58

PROJECT
SPEC.
GROUP

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Airport
Atlanta, Georgia

INC'D IN 7-3 8 14
Date: 17 September 1958

SO No: 880-2-130

Reference: (a) Delta letter, File 142, dated
10 September 1958
(b) Commercial Change Proposal No. 160
(c) MCL No. 10,259
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE (HAT RACK PANEL LENGTH)

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL 259, Reference (c), with the exception that the wording "canopy assemblies" be used in lieu of "panels above the cabin hat racks". Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/15/58) per Reference (d).
- (3) This change has no effect on contract price, weight, performance or delivery schedule.

SJH:js

Log No. 4930

[Signature]
G. G. Glasgow
Manager of Contracts

RECEIVED
SEP 22 1958
PROJECT
SP. 2
GROIN

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
19 September 1958
Revised 7 October 1958

No. 118

22-2

Reference: (a) S.O. No. 880-2-130 dated 17 September 1958
(b) CCP No. 160
(c) MCL No. 10,259

1. SPECIFICATION ADMINISTRATIVE CHANGE (HAT RACK PANEL LENGTH)

Delta Air Lines has accepted, as evidenced by reference (a), our proposal reference (b), prepared in accordance with MCL 259, Reference (c) with the exception that the wording "canopy assemblies" be used in lieu of "panels above the cabin hat racks".

Description of Change:

Page 111, Paragraph 3.19.3.3 TRIM:

Change the period at the end of second sentence to a comma and
add the following:

canopy assemblies

"except for the ~~panels above the cabin hat racks~~ which shall not exceed approximately 15 feet."

2. Revised to Reflect Delta Requested Working Change

ACTION; All concerned are authorized to proceed accordingly. Specifications Group to forward necessary revised specification pages to Contracts within four weeks of Sales Order date.


A. J. Savard
Project Engineer

 1/6/58

CONVAIR-SAN DIEGO

~~CANCELLED~~
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 11 September 1958
Revised: 23 February 1959
SO No: 880-2-129

Reference: (a) Delta letter, File 142,
dated 9 September 1958
(b) Commercial Change Proposal No. 171
(c) MCL No. 282
(d) D.I.B. No. 4-010, Revised 27 May 1958
(e) ~~DAL wire dated 2/20/59~~

WO No: 10,000 Series

MODEL 880 - DELTA

EXTERIOR MARKINGS AND COLOR SCHEMES, DELTA SELECTED

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal. Reference (b), prepared in accordance with MCL No. 10,282, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/10/58) per Reference (d).
- (3) This change results in a weight increase of sixty one (61) pounds with no effect on aircraft performance, delivery schedule, or contract price.
- (4) In accordance with reference (e) wire, all departments concerned will immediately stop work on the DAL Selected Exterior Markings and Color Scheme outlined by reference (b) Commercial Change Proposal. This Sales Order is cancelled and superseded by Sales Order No. 880-2-166 which authorizes Engineering to proceed immediately with preparation of new Delta desired exterior markings and color scheme.

SH:ja

Log No: ~~4872~~ 523

G. G. Glasgow
G. G. Glasgow
Manager of Contracts

Cancelled as outlined in Par. (4)

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

15 September 1958

No. 116

17 March 1959

Revision (A) cancelled

22-2

Ref: (a) Sales Order No. 880-2-129 dated 11 September 1958
(b) Commercial Change Proposal No. 171
(c) MCL No. 282

1. EXTERIOR MARKINGS AND COLOR SCHEMES, DELTA SELECTED

As evidenced by reference (a), Delta Air Lines has accepted our proposal, reference (b), prepared in accordance with MCL No. 10,282, reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined below:

Description of Change:

This change is only for weight accountability, and has no effect on Specification language. The exterior markings will be in accordance with Delta Air Lines Drawing "Markings Installation - CV 880" Number 110-190R, Revision 'A' dated 18 August 1958.

This change results in a weight increase of sixty one (61) pounds with no effect on aircraft performance, delivery schedule or contract price.

ACTION: All concerned are authorized to proceed with the above. Engineering Specification Group will forward necessary revised specification pages to Contracts within four weeks of Sales Order date.

Cancelled and superseded by Minutes #145
dated 17 March 1959

RECEIVED

MAR 25 '59

B. J. Simmons
J. T. Ready, Project Engineer
for A. J. Savard

PROJECT
SPEC.
GROUP

rb

CONVAIR-SD

ACCOUNTING SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Airport
Atlanta, Georgia

Date: 4 September 1958

SO No: 880-2-128

WO No: 30,000 Series

MODEL 880 - DELTA AIR LINES
CHANGE ORDER NO. 7


- (1) Attached is a copy of Change Order No. 7 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. ZD-22-003 dated 20 September 1956 to incorporate Specification Change Nos. 3A, 19D, 35B, 60A, 65A, 72, 73, 82, 83A and 90 and Commercial Change Proposal Summary No. 6 on the Model 880 aircraft.

RECEIVED

SEP 5 '58

PROJECT
SPEC.
GROUP

 SJH:js


C. C. Glasgow
Manager of Contracts

cc: E. Burke (w/exec. copy)
880 Project Office (w/attach (2))
Comm. Sales (w/attach)
H. A. Kayes (w/attach)
Contracts Staff Section (w/attach)
E. E. Johnson (w/attach)
J. Doig (w/attach)

W. F. Brown (6-122) (w/attach)
G. Whisler (93-00) (w/attach)
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Andersen & Company
Change Order No. 7 File (DAL)

Log No 1509

CHANGE ORDER NO. 7
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 3A, 19D, 35B, 60A, 65A, 72, 73, 82, 83A and 90 and Commercial Change Proposal Summary No. 6 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 6 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 6 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 3A - Hydraulic System (Pages 64, A-10, 38A, 38B and 64A)

No Charges or Credits

2. Change No. 19D - Addition of Manufacturer Name and Part Number (Appendix I-C) (Pages A-1, A-2, A-3, A-4, A-6, A-7, A-7a, A-8, A-10, A-11, A-12 and A-15)

No Charges or Credits

CHANGE ORDER NO. 7
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

3. Change No. 35B - Buffets, Changes to (Pages 6B, 6C, 105, 106, 115E, 115F, 115G, 115H, A-0, APP.1-B and A-12)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring Charge	\$ 5,021.00	\$ 50,210.00
Non-Recurring Charge	<u>8,774.00</u>	<u>87,740.00</u>
Total Charges	<u>\$ 13,795.00</u>	<u>\$ 137,950.00</u>

4. Change No. 60A - Cabin Compressor Low Oil Pressure Warning Light, Deletion of (Pages 59 and A-7a)

No Charges or Credits

5. Change No. 65A - Horizontal and Vertical Stabilizer Leading Edges and Stabilizer Assembly; Specification, and Splice Design, Change of (Pages 23, 125 and 126)

No Charges or Credits

6. Change No. 72 - Teleflex Controls in Pods and Pylons, Use of (Pages 56 and 57)

No Charges or Credits

7. Change No. 73 - Electronic Panel, Change of (Pages 91 and A-6)

Recurring Charge	\$ 329.00	\$ 3,290.00
Non-Recurring Charge	<u>None</u>	<u>None</u>
Total Charges	<u>\$ 329.00</u>	<u>\$ 3,290.00</u>

8. Change No. 82 - "Basic T" Instrument Arrangement for the Pilot and Co-Pilot's Panel and Miscellaneous Corrections (Pages 58, 62A and A-9)

No Charges or Credits

9. Change No. 83A - Emergency Brake System, Revision to (Pages 38A, 38B, 64, 64A)

No Charges or Credits

CONVAIR-SD

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

IN 2 IN 2 2 13
SUM CHG
Date: 1 October 1958

SO No: 880-2-133

Reference: (a) Delta letter, File 142,
dated 30 September 1958
(b) Commercial Change Proposal No. 124
(c) MCL No. 185
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA
TITANIUM COWLING, DOOR SKINS AND FRAMES, WHERE
HEAT PERMITS: CHANGE TO ALUMINUM ALLOY

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal Reference (b), prepared in accordance with MCL 185, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/29/58) per Reference (d).
- (3) This change results in a weight decrease of 73 pounds per aircraft with no effect on aircraft performance, delivery schedule or contract price.

SJH:js

Log No: 5052

J. G. Glasgow
J. G. Glasgow
Manager of Contracts

RECEIVED

OCT 4 '58

PROJECT
SPEC.
GROUP

CHANGE ORDER NO. 7
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Date: 20 September 1956

10. Change No. 90 - Specification Administrative Change (Anti-collision Lights) (Pages 74 and 75)	Total for <u>Per Airplane</u> <u>10 Airplanes</u>
	No Charges or Credits

11. Summary of the foregoing charges and/or credits:

Recurring Charges	\$ 5,350.00	\$ 53,500.00
Non-Recurring Charges	<u>8,774.00</u>	<u>87,740.00</u>
Total Charges	<u>\$ 14,124.00</u>	<u>\$ 141,240.00</u>

- G. The attached Specification Change Nos. 3A, 19D, 35B, 60A, 65A, 72, 73, 82, 83A and 90 and Commercial Change Proposal Summary No. 6 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.
- H. Notwithstanding any other provisions of the Purchase Agreement and/or this Change Order No. 7 it is expressly understood and agreed that the execution hereof by General Dynamics Corporation is conditioned upon and expressly subject to the prior execution by Delta Air Lines, Inc. of Change Order No. 6 as said Change Order was executed by General Dynamics Corporation. In the event said Change Order No. 6 is so executed by Delta Air Lines, Inc., this Change Order No. 7 shall be considered in full force and effect. In the event said Change Order No. 6 is not so executed by Delta Air Lines, Inc., this Change Order No. 7 shall be void and of no effect.
- I. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

this 27th day of August 1958

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By /s/ C. E. Woolman

By /s/ B. Coggan

Title President & General Manager

Title VICE PRESIDENT-CONVAIR DIVISION

CONVAIR-SAN DIEGO

W. F. Brown

SALES ORDER

SUMMARY # 18 CHG # 19

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 2 September 1958

SO No: 880-2-127

Reference: (a) Delta letter, File 142, dated
28 August 1958
(b) Commercial Change Proposal No. 130A
(c) MCL No. 10,194
(d) D.I.B. No. 4.010, Revised 27-May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

INTERIOR FABRIC WEIGHTS, REVISION TO

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL 194, Reference (c), with the exception that the fabric for the seats in the club area will not be procured pending final resolution of the passenger seat design. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (10/1/58) per Reference (d).
- (3) This change results in a weight increase of ninety two (92) pounds per aircraft with no effect on aircraft performance, delivery schedule, or contract price.

RECEIVED

SEP 4 '58

PROJECT
SPEC.
GROUP

SJH:js

Log No. 4794

C. G. Roberts
C. G. Glasgow
Manager of Contracts

C O N V A I R .
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

4 September 1958

No. 115

22-2

Reference: (a) S.O. 880-2-127 dated 2 September 1958
(b) Commercial Change Proposal No. 130A
(c) MCL No. 194

1. INTERIOR FABRIC WEIGHTS, REVISION TO:

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL 194, reference (c), with the exception that the fabric for the seats in the club area will not be procured pending final resolution of the passenger seat design.

The following is not to appear in the Specification language:

The below listed items show revised weights for fabrics selected by Customer for interior trim. The following information predicated upon installation of a 12-place club area.

Cabin and Club Area Floor Covering (including 9" up sidewall)	47.0 oz
Seat Upholstering (6 doubles) (Club area)	14.0 oz
Partition Covering	18.0 oz
Partition (Polyplastex)	21.0 oz

Seat fabric weights not included in this proposal.

This change results in a weight increase of 92 pounds per airplane.

ACTION: All concerned are authorized to proceed with the above.


A. J. Savard
Project Engineer

AJB:JMC:rb

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

INC IN 13 & 14
Date: 22 August 1958

SO No: 880-2-126

Reference: (a) Delta letter, File 142, dated
19 August 1958
(b) Commercial Change Proposal No. 172
(c) MCL No. 10,284
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

WAIVER FUNCTIONAL CHECKOUT SELCAL/DMET

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 284, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/19/58) per Reference (d).
- (3) This change has no effect on guaranteed weight empty, aircraft performance, delivery schedule, or contract price.
- (4) Complete provisions for these systems shall be made and they will be inspected and electrically checked in the same manner as the remainder of the electronic installations. Departments concerned are directed to assure compliance with the foregoing, but it need not be incorporated in revised specification language.

SJH:be

Log No: 4733


C. G. Glasgow
Manager of Contracts

RECEIVED

AUG 25 '58

PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
27 August 1958

No. 114
22-2

Reference: (a) S.O. 880-2-126 dated 22 August 1958
(b) Commercial Change Proposal No. 172
(c) MCL No. 284

1. WAIVER FUNCTIONAL CHECKOUT SELCAL/DMET

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL 284, reference (c).

Complete provisions for these systems shall be made and they will be inspected and electrically checked in the same manner as the remainder of the electronic installations. Departments concerned are directed to assure compliance with the foregoing, but it need not be incorporated in revised specification language.

Description of Change:

Page 90, Paragraph 3.17.1 EQUIPMENT:

Add an asterisk before the first two items listed under "Complete provisions for the following systems shall be made:"

- * Dual Distance Measuring System
- * Dual Channel Airborne Selective Calling System

Add the following note to the bottom of Page 90:

"* The last sentence of paragraph 6.1.1.1 shall not apply for these items."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


A. J. Savard
Project Engineer

AJS:JME:rb

CONVAIR-SAN DIEGO

W. F. Brown
INC'D IN SUM 3 & 14
SALES ORDER


Sold to: Delta Air Lines, Inc. Date: 21 August 1958
Atlanta Municipal Airport
Atlanta, Georgia SO No: 880-2-125

Reference: (a) Delta letter, File 142, dated 19 August 1958 WO No: 30,000 Series
(b) Commercial Change Proposal No. 174
(c) MCL No. 287
(d) D.I.B. No. 4.010, Revised 27 May 1958

MODEL 880 - DELTA

LANDING GEAR HEAT TREAT

- (1) Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL No. 287, reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/17/58) per reference (d).
- (3) This change has no effect on aircraft weight, performance, delivery schedule or contract price.


S.J.H:dm


C. G. Glasgow
Manager of Contracts

RECEIVED

AUG 22 '58

PROJECT
SPEC.
GROUP

Log No. 4713

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

25 August 1958

No. 113
22-2

Reference: (a) S.O. 800-2-125 dated 21 August 1958
(b) Commercial/Change Proposal No. 174
(c) MCL No. 287

1. LANDING GEAR HEAT TREAT

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with MCL 287, reference (c).

Description of Change:

Page 38, Paragraph 3.8.4.8 MATERIAL PROPERTIES:

Revise the first sentence to read as follows:

"The main landing gear shock strut outer cylinder and piston, main landing gear upper torque arm bolt and the wheel truck beam in addition to the nose gear side brace bolt, nose gear steering pinion and nose gear steering rack may be made from SAE 4340 steel, heat treated to 260,000 - 280,000 psi."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


A. J. Savard
Project Engineer

AJB:JMC:rb

W. F. Brown

CONVAIR-SAN DIEGO

SALES ORDER

INC'D IN 13 X 64
SUM CHG

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 18 August 1958

SO No: 880-2-124

Reference: (a) Delta/Convair Conference dated
14 August 1958 in San Diego
(b) Commercial Change Proposal No. 167A
(c) MCL No. 275
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

INSTALLATION OF TRANSFORMER RECTIFIER FOR BUFFETS

NO. 2 AND NO. 3

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 10,275, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/15/58) per Reference (d).
- (3) This change results in a weight increase of five (5) pounds with no effect on aircraft performance, delivery schedule, or contract price.

SJH:bc

Log No: 4692


C. G. Glasgow
Manager of Contracts

RECEIVED

AUG 18 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

19 August 1958

No. 112
22-2

Ref: (a) Sales Order No. 880-2-124 dated 18 August 1958
(b) Commercial Change Proposal No. 167A
(c) MCL No. 275

1. INSTALLATION OF TRANSFORMER RECTIFIER FOR BUFFETS NO. 2 and NO. 3

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 275, Reference (c).

Description of Change:


Page A-12, APPENDIX I-C, FURNISHINGS:

Change the bottom item in Description List as follows:

<u>From:</u>	"2 Coffee Makers (115v ac)	Nordskog Co.	5045D"
<u>To:</u>	"2 Coffee Makers (200-Volt, 3-Phase, 400-Cycle, AC/28v dc)	Nordskog Co.	5045E"

This change results in a weight increase of 5 pounds per airplane.

ACTION: All concerned are directed to proceed with the above. Specification Group to forward revised specification pages to Contracts within four weeks of Sales Order date


A. J. SAVARD
Project Engineer

AJS:JMC:rb

CONVAIR-SAN DIEGO

1 NCD IN 13 & 14
SUM CHG
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 11 August 1958

SO No: 880-2-122

Reference: (a) Delta letter, dated 7 August 1958
(b) Commercial Change Proposal No. 169
(c) MCL No. 286
(d) D.I.B. No. 4,010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

SPECIFICATION ADMINISTRATIVE CHANGE - BUFFETS

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 286, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/8/58) per Reference (d).
- (3) This change has no effect on guaranteed weight empty, performance, delivery schedule, or contract price.

SJH:be

Log No: 4655

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

AUG 14 '58

PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

12 August 1958

No. 110
22-2

Reference (a) S. O. 880-2-122 dated 11 August 1958
(b) Commercial Change Proposal No. 169
(c) MCL No. 286

1. Specification Administrative Change - Buffets

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 286, Reference (c).

Description of Change:

Page 106, Paragraph 3.19.2.1 buffet;

Revise item (b) in the second line as follows:

"(b) a single door for the three inboard tray....."

Page 106, Paragraph 3.19.2.1.2 BUFFET EQUIPMENT:

Revise the second item in the equipment list under unit No. 2 and No. 3 as follows:

From: "5 5"

To: "6 6"

Delete the fourteenth item in the equipment list as follows:

"*Drawers (4) 0 1 1 0"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:is


A. J. Savard
Project Engineer

CONVAIR-SAN DIEGO

W. T. Brown
IND IN 128 13
SALES ORDER ^{SUM} CHG

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 6 August 1958

SO No: 880-2-121

Reference: (a) Delta TWX dated August 5, 1958
(b) Commercial Change Proposal No. 158
(c) MCL No. 251
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

MODEL 880 - DELTA

INSTALLATION OF LOW ENERGY IGNITION SYSTEM

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 251, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (9/3/58) per Reference (d).
- (3) This change results in an increased weight per airplane of 35 lbs., with no effect on contract price, delivery schedule or aircraft performance.

RLW:dm

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

AUG 8 '58

PROJECT
SPEC.
GROUP

Log No 4613

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
11 August 1958

No. 109
22-2

Reference: (a) S. O. 880-2-121 dated 6 August 1958
(b) Commercial Change Proposal No. 158
(c) MCL No. 251

1. Installation of Low Energy Ignition System

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 251, Reference (c).

DESCRIPTION OF CHANGE:

Page 78, add the following new paragraph to the page after paragraph 3.16.9.1:

"3.16.9.1 LOW ENERGY IGNITION SYSTEM: A secondary low energy type ignition system shall be installed, for engine starting under less severe conditions, to provide selective starting with the high energy system specified in Par. 3.16.9. Controls for ignition shall be located in the pilot's compartment."

This change results in a weight increase of 35 pounds per airplane.

Engineering schedule: O/B 9-22 4C 10-6 F/R 10-27

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:1s


A. J. Savard
Project Engineer

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DELTA MINUTES
7 October 1958

No. 119
22-2

Reference: (a). S.O. 880-2-133 dated 1 October 1958
(b). Commercial Change Proposal No. 124
(c). MCL No. 185

1. TITANIUM COWLING, DOOR SKINS AND FRAMES, WHERE HEAT PERMITS; CHANGE TO ALUMINUM ALLOW.

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 185, Reference (c).

Description of Change:

Page 44, Paragraph 3.11.6 COWLING:

Revise the second sentence to read as follows:

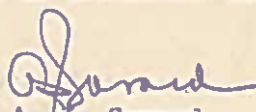
"The cowlings shall be of aluminum alloy, stainless steel or titanium; or a combination thereof."

Delete the third sentence:

"The cowlings frames and skin, from the engine inlet aft shall be of stainless steel or titanium.)"

This change results in a weight ~~increase~~ *decrease* of 73 pounds per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order Date.


A. J. Savard
Project Engineer

CHANGE ORDER NO. 6
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

4. Change No. 74 - Skydrol Hydraulic Fluid, Use of
(Pages 16, 63, 68 and 79)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring Charge	\$ 2,585.00	\$ 25,850.00
Non-Recurring Charge	<u>2,415.00</u>	<u>24,150.00</u>
Total Charges	<u>\$ 5,000.00</u>	<u>\$ 50,000.00</u>

5. Change No. 77 - Deletion of Customs Seal
Provisions in Cargo Doors (Page 30)

No Charges or Credits

6. Summary of the foregoing charges and/or credits:

Recurring Charges	\$ 3,061.00	\$ 30,610.00
Non-Recurring Charges	<u>3,381.00</u>	<u>33,810.00</u>
Total Charges	<u>\$ 6,442.00</u>	<u>\$ 64,420.00</u>

- G. The attached Specification Change Nos. 1, 25, 61A, 74 and 77 and Commercial Change Proposal Summary No. 5 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.

- H. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

this 23 day of July 1958

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By /s/ C. E. Woolman

By /s/ C. G. Glasgow

Title President & Gen'l Manager

Title Manager of Contracts - Convair Division
(San Diego)

CONFIDENTIAL

ACCOUNTING - 51111111

Supplier: Delta Air Lines, Inc.
Atlanta-McCollum Airport
Atlanta, Georgia

Date: 1 August 1958
Revised: 1 August 1958
10 No. 100,000 1000

10 No. 100,000 1000

MODEL 330 - DELTA AIR LINES
CHANGE ORDER NO. 5

- (1) Attached is a copy of Change Order No. 5 issued by Delta Air Lines, Inc., which amends Detail Specification Report No. 422-007 dated 20 September 1956 to incorporate Specification Change Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182,

CHANGE ORDER NO. 6
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 1, 25, 61A, 74 and 77 and Commercial Change Proposal Summary No. 5 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 5 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 5 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 1 - Airplane Configuration, Detailed Revision to (Pages 6A, 12A, 13, 37, 39, 40, 41 and 42)

No Charges or Credits

2. Change No. 25 - A-C Generators, Clarification of (Page A3)

No Charges or Credits

3. Change No. 61A - Door Open Warning Indicator, Installation of (Pages 80, 81 (runover) and 89)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring Charge	\$ 476.00	\$ 4,760.00
Non-Recurring Charge	<u>966.00</u>	<u>9,660.00</u>
Total Charges	<u>\$ 1,442.00</u>	<u>\$ 14,420.00</u>

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 18 July 1958

SO No: 880-2-119

Reference: (a) Delta letter dated 7/15/58
(b) Commercial Change Proposal No. 150
(c) MCL No. 228
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

DELTA - MODEL 880

INCREASE IN MAXIMUM LANDING WEIGHT TO 132,800 LBS.

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 228, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/15/58) per Reference (d).
- (3) This change results in an increased weight per airplane of 80 lbs., with no effect on delivery schedule or aircraft performance.

FOR ACCOUNTING DEPARTMENT ONLY

- (4) This change results in an increased price per airplane of \$985.00 as follows:

Recurring	None
Non-Recurring	\$ 985.00
Total	\$ 985.00

for a total contract increase of \$9850.

RLW:dm

Log No: 4501

Francis Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

JUL 25 '58

PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
28 July 1958

No. 108
22-2

Reference: (a) S. O. 880-2-119 dated 18 July 1958
(b) Commercial Change Proposal No. 150
(c) MCL 228

1. Increase in Maximum Landing Weight to 132,800 Lbs.

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), to increase the maximum landing weight to 132,800 lbs.

This change results in an increase in the weight empty of 80 pounds per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

AJS:JMC:is


A. J. Savard
Project Engineer

Accounting Sales Order

880-2-118

CONVAIR-SAN DIEGO

INC'D IN 127 13
CHG
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 9 July 1958

SO No: 880-2-117

Reference: (a) Delta letter dated 8 July 1958
(b) Commercial Change Proposal No. 155
(c) MCL 257
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series

DELTA - MODEL 880

SPECIFICATION ADMINISTRATIVE CHANGE (ELEVATORS)

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 257 Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/6/58) per Reference (d).
- (3) This change has no effect in contract price, aircraft weight, performance nor delivery schedule.

RLW
RLW:js

Log No. 4399

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

JUL 16 '58

PROJECT
SP
GROUP

CONFIDENTIAL
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

11 July 1958

No. 107

22-2

Reference: (a) S.O. 880-2-117 dated 9 July 1958
(b) Commercial Change Proposal No. 155
(c) MCL 257

1. SPECIFICATION ADMINISTRATIVE CHANGE (ELEVATORS)

Delta Air Lines has accepted, as evidenced by reference (a), our proposal reference (b), to clarify the intent of the specification.

Description of change:

Page 23, Paragraph 3.6.3 ELEVATORS

Delete the words "interconnected and" in the second line of the first sentence.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


A. J. Seward
Project Engineer

AJS:JMC:rb

INC IN 12 x 13
SUM CHG

Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 9 July 1958
Revised: 18 November 1958
EO No: 381-2-115

- References: (a) Delta letter, File 142, dated 3 July 1958
(b) Commercial Change Proposal No. 768
(c) MCL No. 117
(d) D.O.B. No. 4-010, Revised 27 May 1958
(e) Commercial Change Proposal No. 76C
(f) Delta letter, File 142, dated 14 November 1958.

DELTA -- MODEL 380
SPACE PROVISIONS FOR VCH RECORDERS

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 117, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (8/6/58) per Reference (d).
- (3) This change has no effect in contract price, aircraft weight, performance or delivery schedule.
- (4) This Sales Order is revised to add References (e) and (f) and does not change the task previously authorized herein.

RLW

5374

Revised to add Ref's. (e) and (f)

G. G. Glasgow
G. G. Glasgow
Manager of Contracts
RECEIVED
NOV 19 '58
PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

11 July 1958
Revised 25 November 1958

No. 106

22-2

Reference: (a) S.O. 880-2-116 dated 9 July 1958 - Revised 18 Nov. 1958
(b) Commercial Change Proposal No. 76B
(c) MCL No. 117
(d) Commercial Change Proposal No. 76C

1. SPACE PROVISIONS FOR VGH RECORDERS

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b).

Description of change:

Page 62, Paragraph 3.14 INSTRUMENTS AND NAVIGATION EQUIPMENT:

Add the following new paragraph:

"3.14.3.9 VGH RECORDING PROVISIONS:

Provisions shall be made for the later installation of one VGH recorder on each of two airplanes* to record research data for gust studies. The VGH recorder provisions shall be on the auto-pilot rack and the acceleration transmitter provisions on the floor beam in the rear spar area. The provisions shall include the mountings and aluminum tubing from the co-pilot's static line and pitot line to the auto-pilot rack. Means shall be provided for capping these lines when recorders are not installed."

Add the following foot note to the bottom of page:

"*The specific airplanes on which the VGH recorder provisions shall be installed will be Convair Production No. 16 and 17 (DAL Ship No. ⁴ and ⁵)

Not to be part of Specification language:

The following weight effect shall be subtracted from the as weighed figures when considering guaranteed weight of the two affected airplanes and is not to be included in the accumulative specification weight figures.

Effect on Weight:	+7.0 pounds
Effect on Balance	+3648 inch-pounds
Effect on Performance:	None

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.

RECEIVED

NOV 28 '58

PROJECT
SP
GROUP


A. J. Seward
Project Engineer

CONVAIR-SAN DIEGO

INC 11/2 & 13
SUM CHG
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 1 July 1958

SO No: 880-2-115

Reference: (a) Delta letter, File 142, dated
25 June 1958

WO No: 30,000 Series

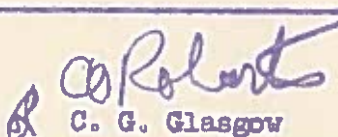
- (b) Commercial Change Proposal No. 152A
(c) D.I.B. No. 4.010, Revised 27 May 1958

MODEL 880 - DAL

PILOT'S CHECK-OFF LIST

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (7/29/58) per Reference (c).
- (3) This change has no effect in contract price, aircraft weight, performance nor delivery schedule.

RW
RLW:dm


C. G. Glasgow
Manager of Contracts

Log 1352

MES

CONVAIR
Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

2 July 1958

No. 105
22-2

Reference: (a) S.O. 880-2-115 dated 1 July 1958
(b) Commercial Change Proposal No. 152A

1. PILOT'S CHECK-OFF LIST

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b).

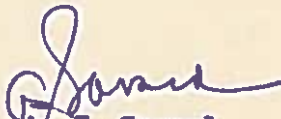
Description of Change:

Page 109, Paragraph 3.19.2.8.2 CHECK-OFF LIST:

Revise paragraph to read as follows:

"A Card-type pilot's check-off list and transparent holder shall be provided and located in the flight compartment."

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


A. J. Sward
Project Engineer

AJS:JMC:rb

CONVAIR-SD

INCOMP IN 13 X 14
SUM CHG
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 23 June 1958

SO No: 880-2-114

Reference: (a) Delta letter dated 18 June 1958
(b) Commercial Change Proposal No. 159
(c) MCL No. 258
(d) D.I.B. No. 4-010, Revised 27 May 1958

WO No: 30,000 Series

DELTA - MODEL 880

SPECIFICATION ADMINISTRATIVE CHANGE (WATER FIRE EXTINGUISHERS)

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 258, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (7/22/58) per Reference (d).
- (3) This change has no effect in contract price, aircraft weight, performance nor delivery schedule.

RLW:js

Log No. 4257


C. G. Glasgow
Manager of Contracts

G E N E R A L
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

25 June 1958

No. 104
22-2

Reference: (a) S.O. 880-2-114 dated 23 June 1958
(b) Commercial Change Proposal No. 159
(c) MCL No. 258

1. SPECIFICATION ADMINISTRATIVE CHANGE (Water Fire Extinguishers)

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), a Specification Administrative Change.

Description of Change:

Page 112, Paragraph 3.19.4.3.2 WATER FIRE EXTINGUISHER:

Revise the paragraph to read as follows:

"Three water fire extinguishers shall be provided; one located in the forward entrance area and two on the forward side of the partition immediately forward of the aft entrance way."

Delete paragraph: "3.19.4.3.3 PASSENGER COMPARTMENT FIRE EXTINGUISHER"

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date.


A. J. Seward
Project Engineer

AJS:JMC:rb

CONVAIR-SD

1 INC'D IN 12 X 13
SUM CHG
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 23 June 1958

SO No: 880-2-113

Reference: (a) Delta TWX dated 6/19/58
(b) Commercial Change Proposal No. 125A
(c) MCL No. 186
(d) D.I.B. No. 4.010, Revised 27 May 1958

WO No: 30,000 Series


DELTA - MODEL 880

MAIN LANDING GEAR PISTON HEAD BEARING,
CHANGE IN MATERIAL OF

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 186, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (7/22/58) per Reference (d).
- (3) This change results in an increased weight per airplane of 12.0 lbs., with no effect on delivery schedule or aircraft performance.

PW RLW:js

Log No. 4256


C. G. Glasgow
Manager of Contracts

A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

25 June 1958

No. 103

22-2

Reference: (a) S.O. 880-2-113 dated 23 June 1958
(b) Commercial Change Proposal No. 125A
(c) MCL No. 186

1. MAIN LANDING GEAR PISTON HEAD BEARING, CHANGE IN MATERIAL OF

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with reference (c).

The change is the responsibility of the landing gear sub-contractor. His task is to replace the 7075 aluminum alloy main landing gear piston head bearing with aluminum bronze main landing gear piston head bearings. Other than the material difference, no design change is involved.

This change results in a weight increase of 12.0 pounds per airplane.

ACTION: All Concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within four weeks of Sales Order date


A. J. Savard
Project Engineer

AJS:JNC:rb

CAPS 12 CHG. 13

CONVAIR-SI

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 17 June 1958

SO No: 880-2-112

Reference: (a) Delta letter, File 142, dated
13 June 1958

WO No: 30,000 Series

(b) Commercial Change Proposal No. 151 Revised

(c) MCL 227

(d) D.I.B. No. 4,010 (Revised 5/27/58)

MODEL 880

SUPPLEMENTARY FLUORESCENT LIGHTING ON PILOTS' PANELS

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL 227, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within four weeks (7/15/58) per Reference (d).
- (3) This change results in an increased weight per airplane of 4 lbs with no effect on delivery schedule, aircraft performance, nor contract price.

RLW:dm

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

23 June 1958

No. 102

22-2

Reference: (a) S.O. 880-2-112 dated 17 June 1958
(b) Commercial Change Proposal No. 151 Revised
(c) MCL No. 227

1. SUPPLEMENTARY FLUORESCENT LIGHTING ON PILOTS' PANELS

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), based on reference (c), MCL 227. The task is as follows:

- A. Add one circuit breaker and nameplate to circuit breaker panel.
- B. Fabricate and install three fluorescent fixtures under glare shield - mounting provisions already installed. Fixtures consist of sheet metal reflectors similar to those used in cockpit lighting mock-up.
- C. Purchase and install three 8 watt instant start ballasts.
- D. Replace pilot's white light rheostat with one containing a switch at the maximum incandescent brightness level such that when rheostat is turned to maximum level, the fluorescent fixtures will light in addition to the incandescent lights.
- E. Purchase and install three 8 watt T-5 lamps per airplane.

This change results in a weight increase of 4 pounds per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within three weeks of Sales Order date.


A. J. Savard
Project Engineer

AJS:JMC:rb

CONV AIR-SD

CCPS#9, CH#6#10

SALES ORDER

Sold to: Delta Air Lines, Inc.,
Atlanta Municipal Airport
Atlanta, Georgia

Date: 13 June 1958

SO No: 880-2-111

Reference: (a) Delta TWX dated 12 June 1958
(b) Commercial Change Proposal No. 47A
(c) MCL No. 40
(d) D.I.B. No. 4,010

WO No: 30,000 Series

MODEL 880 - DAL

DELETION OF ACCESS DOOR IN AFT PRESSURE BULKHEAD

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 40, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department at the earliest possible date.
- (3) This change reflects a weight decrease of 6 lbs with no effect on aircraft performance nor delivery schedule.

RLW:dm


C. G. Glasgow
Manager of Contracts

Log 4228

CCPS 9, CHG 10

CONVAIR-SD

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 22 May 1958

SO No: 880-2-110

Reference: (a) Delta letter, File 142, dated
16 May 1958
(b) Commercial Change Proposal No. 147
(c) MCL 209
(d) D.I.B. No. 4.010

WO No: 30,000 Series

DAL MODEL 880

TURN AND BANK INDICATOR, REVISION TO

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 209, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (6/12/58) per Reference (d).
- (3) This change results in a decreased weight per airplane of 1.0 lb, with no effect on delivery schedule, aircraft performance, nor contract price.

RLW:hs

C. G. Glasgow
for C. G. Glasgow
Manager of Contracts

Log No. 4079

CONVART
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

No. 99

22-2

26 May 1958

Reference: (a) S.O. 880-2-110 dated 22 May 1958
(b) Commercial Change Proposal No. 147
(c) MCL No. 209

1. TURN AND BANK INDICATOR, REVISION TO

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), prepared in accordance with reference (c). The task is as follows:

A. Revise six (6) harnesses as follows:

- (1) Delete six (6) wires from the electrical rack to the pilot's instrument panel.
- (2) Add two (2) wires from the circuit breaker panel to the pilot's instrument panel.

B. Delete two (2) three (3) phase transformers and two (2) triple fuse blocks from the R.H. electrical rack.

C. Revise nameplate on AC power distribution box.

D. Revise nameplate on pilot's essential bus.

E. Revise circuit breaker panel to add two (2) 5 amp circuit breakers.

F. Fabricate new nameplate for circuit breaker panels.


G. For DAL replace Pioneer Central turn and bank indicator #3920-1AD-A1-1 with Pioneer Central turn and bank indicator #3924-1AG-B-1.

NOTE: Panels in "G" above are physically interchangeable in their respective panels.

Wiring portion of this change will be available to metal mock-up 5 weeks after go-ahead. Mechanical portion of this change will be available to Shop by means of sketches and marked-up prints 4 weeks after go-ahead. Engineering paper will follow. ABM's for new indicators will be issued 4 weeks after go-ahead.

This change results in a weight decrease of 1.0 pound per airplane.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within three weeks of Sales Order date.


A. J. Savard
Project Engineer

CCP#9, CHG#10

CONVAIR-SD

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 8 May 1958

SO No: 880-2-109

Reference: (a) Delta letter, File 142, dated
5 May 1958
(b) Commercial Change Proposal No. 142
(c) MCL 196
(d) D.I.B. No. 4.010

WO No: 30,000 Series

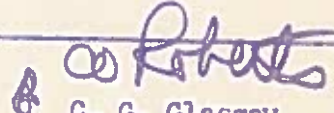
DAL MODEL 880

LAVATORY TOWEL DISPENSER, ADDITION OF

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 196, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (5/29/58) per Reference (d).
- (3) This change has no effect in contract price, aircraft weight, performance, nor delivery schedule.

RLW:js

Log No. 3972


C. G. Glasgow
Manager of Contracts

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

9 May 1958

No. 96

22-2

Ref: (a) S.O. 880-2-109 dated 8 May 1958
(b) Commercial Change Proposal No. 142
(c) MCL 196

1. Lavatory Towel Dispenser, Addition of

Delta Air Lines has accepted, as evidenced by reference (a), our proposal, reference (b), for addition of a third lavatory towel dispenser.

Description of Change:

Page 107, Para. 3.19.2.2.3 MISCELLANEOUS LAVATORY EQUIPMENT:

Change the eighth item in the equipment as follows:

From: "Two towel dispensers (one for linen and one for paper)"

To: "One towel dispenser unit (consisting of three dispensers: two universal for either linen or paper, and one for paper only)"

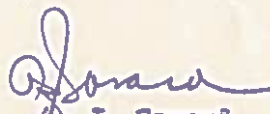
Page A-12, APPENDIX I-C, FURNISHINGS:

Change the 17th item in the Description List as follows:

From: "3 Linen Towel Dispensers"

To: "3 Towel Dispenser Units (each consisting of three dispensers; two universal for either linen or paper, and one for paper only)"

ACTION: All concerned are authorized to proceed with the above change. Specification Group will forward revised specification pages to Contract within three weeks of Sales Order date.


A. J. Savard
Project Engineer

AJS:JMC:rb

CONVAIR-SD

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Airport
Atlanta, Georgia

Date: 14 May 1958

SO No: 880-2-108

Reference: (a) MCL No. 10,068
(b) MCL No. 10,069

WO No: 30,000 Series

MODEL 880 - DAL

PLUSH INTERIOR

- (1) This Sales Order cancels and supersedes Sales Order No. 880-2-65. Further, this Sales Order authorizes all departments to proceed with incorporation of the Harley Earle - Dorothy Draper interior in DELTA'S Model 880 aircraft.

COR:adm

adm
5-14-58

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

Log No. 4026

DAL MINUTES

19 May 1958

Revised: 29 May 1958

No. 98

22-2

References: (a) S.O. 880-2-108 dated 14 May 1958
(b) MEL No. 10,068
(c) MEL No. 10,069


1. PLUSH INTERIOR

Reference (a) Sales Order authorizes all concerned to proceed with the incorporation of the Harley Earle-Dorothy Draper interior in Delta's 880 aircraft.

These Minutes supersede and cancel DAL Minutes No. 61.

ACTION: All concerned are authorized to proceed with the action described above.

Specifications Group not to incorporate above Change until authorized to do so.


A. J. Seward
Project Engineer

AJS:JMC:rb

CONFAIR-SD

SALES ORDER

HOLD "CCP 33C"
5-22-58
20 Mod
6-27-58
20 Mod

Sold to: Delta Air Lines, Inc.
Atlanta Airport
Atlanta, Georgia

Date: 17 May 1958

SO No: 880-2-107

Reference: (a) MCL No. 10,038

WO No: 30,000 Series

MODEL 880 - DAL

EXPANDED LOUNGE

- (1) This Sales Order cancels and supersedes Sales Order No. 880-2-66. Further, this Sales Order authorizes all departments concerned to proceed with incorporation of the 12-place lounge in the DELTA Model 880 aircraft as described in Reference (a).

COR 8 chg

JH
5-14-58

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

Log No. 4024

A Division of General Motors Corporation
(San Diego)

DAL MINUTES

19 May 1958

No. 97

Revised: 25 May 1958

22-2

Reference: (a) S.O. 880-2-107 dated 14 May 1958
(b) MEL No. 10,068

1. EXPANDED LOUNGE

Reference (a) Sales Order authorizes all concerned to proceed with the incorporation of the 12-place lounge, as described in reference (b) in all Delta 830 aircraft.

These Minutes cancel and supersede DAL Minutes No. 61

ACTION: All concerned are authorized to proceed as described above.

Specifications Group not to incorporate above Change until authorized to do so.

AJE:JMC:rb


A. J. Savard
Project Engineer

CC Ps #9, CHG #10

CONVAIR-SD

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 17 April 1958

SO No: 880-2-106

Reference: (a) Delta letter, file 142, dated
2 April 1958

WO No: 30,000 Series

(b) Commercial Change Proposal No. 93A

(c) D.I.B. No. 4.010

(d) Telecon 4/16/58, H.A. Mellinger to R.L. Wintringer

(e) MCL No. 167

MODEL 880

APPLICABLE FEDERAL REGULATIONS

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), based upon MCL No. 167, Reference (c). This acceptance is contingent upon the deletion of "land type" in the specification language. Per Reference (d), Engineering is agreeable to the deletion of "land type" inasmuch as this is defined in Paragraph 1.1 of the Detail Specification No. 2D-22-003.
- (2) In accordance with Paragraph (1), Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (5/8 /58) per Reference (c).
- (3) This change results in an increased weight per airplane of 2.5 lbs, with no effect on delivery schedule, aircraft performance, nor contract price.

RECEIVED

APR 18 '58

PROJECT
SPEC.
GROUP

RLW:dm

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

Log No. 3783

SPEC CHGS NOT REQUIRED

CONVAIR SD

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 17 April 1958

SO No: 880-2-105

Reference: (a) Delta letter, File 1142,
dated 11 April 1958

WO No: 30,000 Series

(b) Delta Detail Specification No. ZD-22-003,
Paragraph 3.2.2, Item 1

MODEL 880

USE OF 61ST ALUMINUM ALLOY IN AIR CONDITIONING SYSTEM

- (1) Reference (b) provides in part "61ST aluminum tubing or 61ST welded fabricated sheet metal parts shall not be used". By Reference (a) Delta has agreed to specification deviation where this material is used in the Hamilton Standard air conditioning system.
- (2) Delta does agree to the usage of 61ST providing such usage includes proper heat treatment and adequate inspection control.
- (3) Material Department will insure that Hamilton Standard is proceeding on the basis of the conditions set forth in Paragraph (2).
- (4) This Sales Order authorizes deviation from the intent of Paragraph 3.2.2 in this instance only.
- (5) This deviation has no effect on aircraft weight, performance, delivery schedule nor contract price. Revised specification pages are not required.

RLW:sdm

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

APR 18 '58

PROJECT
SPEC.
GROUP

Log No. - 3782

CONVAIR-SAN DIEGO

DAL MINUTES

21 April 1958

No. 94

22-2

Reference (a) S. O. 880-2-105 Dated 17 April 1958
(b) Delta Detail Specification No. ZD-22-003,
Paragraph 3.2.2, Item 1.


1. Use of 61ST Aluminum in Air Conditioning System

Reference (b) provides in part "61St Aluminum Tubing or 61ST welded fabricated sheet metal parts shall not be used." As evidenced by Reference (a), Delta has agreed to specification deviation where this material is used in the Hamilton Standard Air Conditioning System.

Delta does agree to the usage of 61ST providing such usage includes proper heat treatment and adequate inspection control.

The Sales Order, Reference (a) authorizes deviation from the intent of Paragraph 3.2.2 in this instance only.

AJS:JMC:is


A. J. Savard
Project Engineer

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 9 April 1958

SO No. 880-2-104

Reference: (a) Delta letter, File 142,
dated 1 April 1958
(b) Commercial Change Proposal No. 133
(c) D.I.B. No. 4010

WO No. 30,000 Series

MODEL 880 - DAL

SPECIFICATION ADMINISTRATIVE CHANGE - LANDING GEAR WARNING HORN

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), a specification administrative change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (4/30/58 per Reference (c)).
- (3) This change has no effect in contract price, aircraft weight, performance nor delivery schedule.

RLW:js

Log No. 3724

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

APR 11 '58

PROJECT
SPEC.
GROUP

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
11 April 1958

No. 93
22-2

Reference (a) S. O. 880-2-104 Dated 9 April 1958

(b) Commercial Change Proposal No. 133

1. Specification Administrative Changes - Landing Gear Warning Horn

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), to clarify the intent of the specification.

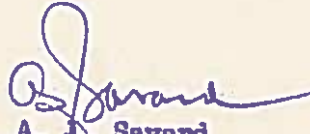
Description of Change:

Page 80, Paragraph 3.16.11.1 LANDING GEAR WARNING HORN:

Revise the second sentence to read as follows:

"When any one of the landing gear units is not fully extended and locked, the horn will operate if any one of the power levers is closed or the wing flap selector is not in the range of an approach to land."

ACTION: All concerned are authorized to proceed with the above change. Specifications Group to forward revised specification pages to Contracts within three weeks of S. O. Date.


A. J. Savard
Project Engineer

CONVAIR-SAN DIEGO

~~CCPS#9, CHG#10~~

SALES ORDER

*Revised 17 April 1958

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 3 April 1958

SO No: 880-2-103

References: (a) Delta letter dated April 7, 1958
(b) Commercial Change Proposal No. 13
(c) MCL No. 198
(d) D.I.B. No. 4,010
(e) Change Board Minutes 22-169 dated 3/5/58

WO No: 30,000 Series

MODEL 880 - DAL

WALTER KIRDE NACELLE FIRE EXTINGUISHER EQUIPMENT

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), based upon MCL No. 198, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (4/30/58) per Reference (d).
- (3) This change results in an increased weight per airplane of seven pounds, with no effect on delivery schedule, aircraft performance, nor contract price, per reference (e).

KDW:be

Revised to correct Ref (a), add Ref. (e)
Log No: and Para. (3).

for C. C. Glasgow
Manager of Contracts

3807

RECEIVED

APR 22 '58

PROJECT
SPEC.
GROUP

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL Minutes

9 April 1958

No. 92
22-2

Reference: (a) S.O. 880-2-103 dated 9 April 1958
(b) Commercial Change Proposal No. 136
(c) MCL 198

1. Walter Kidde Nacelle Fire Extinguisher Equipment.

Delta Air Lines has accepted, as evidence by reference (a), our proposal, reference (b), for installation of the Walter Kidde fire extinguishing equipment.

The task is as follows:

A. Rohr Task:

- 1) Delete Accessory Products Company fire extinguishing system (Solenoid actuated valve).
- 2) Install Walter Kidde fire extinguishing system utilizing a cartridge-type method of puncturing a frangible disc. (Single squib).

B. Convair Task:

- 1) Revise 9 harnesses by changing wire gauge (7 harnesses change from 14 gauge to 12 gauge - total approx. 800'. 2 harnesses change from 12 gauge to 10 gauge - total approx. 200').

This change results in a weight increase of 7 lbs. per airplane.

ACTION: All concerned are authorized to proceed with the above task. This change has no effect on specification language.

ASB:AMU:gr


A. J. Seward
Project Engineer

CONVAIR-SD

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

W F Brown
6-122
ACCOUNTING SALES ORDER

Date: 4 April 1958

SO No. 880-2-102

WO No. 3700 Series

MODEL 880 - DELTA AIR LINES
CHANGE ORDER NO. 5

- (1) Attached is a copy of Change Order No. 5 signed by Delta Air Lines, Inc. which amends Detail Specification Report No. ZD-22-003 dated 20 September 1956 to incorporate Specification Change Nos. 13A, 18B, 19B, 19C, 21A, 22A, 24, 27, 28A, 32B, 36A, 43, 44, 48, 49, 53, 57, 58, 60, 63, 67, 68, 69, 71 and 75A on the Model 880 aircraft.

COR:js

Log No. 3700

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

cc: E. Burke (w/exec. copy)
880 Project Office (w/attach (2))
Comm. Sales (w/attach)
H. A. Kayes (w/attach)
Contracts Staff Section (w/attach)
E. E. Johnson (w/attach)
J. Doig (w/attach)

W. F. Brown (6-122) (w/attach)
G. Whisler (93-00) (w/attach)
H. R. Kennedy (w/attach)
Commercial Contracts
Arthur Anderson & Company
Change Order No. 5 File (DAL)

RECEIVED

APR 7 '58

PROJECT
SPEC.
GROUP

CHANGE ORDER NO. 5
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

A. The Detail Specification is hereby amended to reflect certain changes all as more particularly set forth in Specification Change Nos. 13A, 18B, 19B, 19C, 21A, 22A, 24, 27, 28A, 32B, 36A, 43, 44, 48, 49, 53, 57, 58, 60, 63, 67, 68, 69, 71 and 75A and Commercial Change Proposal Summary No. 4 attached hereto and made a part hereof.

B. Airplanes Affected:

Undelivered - 10

C. Effect on weight and balance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 4 attached.

D. Effect on performance:

As reflected in the Specification Changes and Commercial Change Proposal Summary No. 4 attached.

E. Effect on delivery:

None

F. This Change Order results in the following charges and/or credits:

1. Change No. 13A - Provisions for Enlarged Cargo Door for use with Preloaded Baggage Containers (Page 30)

No Charges or Credits

2. Change No. 18B - Increased Landing Weight to 130,000 Pounds (Pages 10, 12, 17 and A11)

Recurring Charge
Non-Recurring Charge

Per Airplane
\$ 1,690.00
None

Total for
10 Airplanes
\$ 16,900.00
None

Total Charges

\$ 1,690.00

\$ 16,900.00

3. Change No. 19B - Addition of Manufacturer Name and Part Number (Appendix L-C)(Pages A1, A3, A4, A5, A6, A7, A8, A9, A11, A12 and and A13)

No Charges or Credits

4. Change No. 19C - Addition of Manufacturer Name and Part Number (Appendix L-C)(Pages A1, A3, A4, A5, A6, A7, A9, A10 and A16)

No Charges or Credits

5. Change No. 21A - Fuel System, Change from Pressure System to Electric Pump System (Pages 48 through 56D, 56F, 56G, 59, 64, 84, 86 and B3)

No Charges or Credits

CHANGE ORDER NO. 5
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

6. Change No. 22A - Water System, Pressurized,
Single 50-Gallon Tank, Change to (Pages 59,
106, 115B and A12)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring Credit	\$ 185.00	\$ 1,850.00
Non-Recurring Credit	<u>74.00</u>	<u>740.00</u>
Total Credit	<u>\$ 259.00</u>	<u>\$ 2,590.00</u>

7. Change No. 24 - Attitude Indicator System,
Change of (Pages 58, A9)

Recurring Charge	\$ 4,858.00	\$ 48,580.00
Non-Recurring Charge	<u>1,119.00</u>	<u>11,190.00</u>
Total Charges	<u>\$ 5,977.00</u>	<u>\$ 59,770.00</u>

8. Change No. 27 - Sperry Auto Pilot - Instal-
lation of (Pages 42, A8)

Recurring Charge	\$ 5,176.00	\$ 51,760.00
Non-Recurring Charge	<u>3,308.00</u>	<u>33,080.00</u>
Total Charges	<u>\$ 8,484.00</u>	<u>\$ 84,840.00</u>

9. Change No. 28A - Integrally Lighted Instru-
ments; Installation of Wiring Provisions of
(Pages 58, 59, 59A, 62A, 62B and 62D)

Recurring Charge	\$ 9,471.00	\$ 94,710.00
Non-Recurring Charge	<u>6,934.00</u>	<u>69,340.00</u>
Total Charges	<u>\$ 16,405.00</u>	<u>\$ 164,050.00</u>

10. Change No. 32B - Engine Air Starter System,
Modification of (Pages 44, 47, 56A, 57 and A3)

Recurring Charge	\$ 1,835.00	\$ 18,350.00
Non-Recurring Charge	<u>6,786.00</u>	<u>67,860.00</u>
Total Charges	<u>\$ 8,621.00</u>	<u>\$ 86,210.00</u>

11. Change No. 36A - Oxygen System - Gaseous,
1800 PSI, Change to (Pages 113, 115D and
A15)

No Charges or Credits

CHANGE ORDER NO. 5
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

12. Change No. 43 - Passenger Oxygen Outlets -
Change to Six Abreast (Page 114)

	<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
Recurring Charge	\$ 1,015.00	\$ 10,150.00
Non-Recurring Charge	129.00	1,290.00
Total Charges	<u>\$ 1,144.00</u>	<u>\$ 11,440.00</u>

13. Change No. 44 - Convert from Basic Sperry
C4b Compass to the Sperry Complete C-10
Compass System (Page A8)

No Charges or Credits

14. Change No. 48 - Selection of Electronic Equip-
ment (Pages 62E, 88, 90, 91, 93, 95 through
102B, A5 and A6)

Recurring Charge	\$ 528.00	\$ 5,280.00
Non-Recurring Charge	<u>1,471.00</u>	<u>14,710.00</u>
Total Charges	<u>\$ 1,999.00</u>	<u>\$ 19,990.00</u>

15. Change No. 49 - ATC Transponder, 51R4 Receiver
and Remler P.A. Amplifier; Installation and Type
Changes of (Pages 90, 98, A4, A3)

Recurring Credit	\$ 450.00	\$ 4,500.00
Non-Recurring Charge	<u>602.00</u>	<u>6,020.00</u>
Total Charges	<u>\$ 152.00</u>	<u>\$ 1,520.00</u>

16. Change No. 53 - Rear Lavatories, Single
Service Connection, Installation of
(Page 107)

Recurring Credit	\$ 102.00	\$ 1,020.00
Non-Recurring Charge	<u>75.00</u>	<u>750.00</u>
Total Credit	<u>\$ 27.00</u>	<u>\$ 270.00</u>

17. Change No. 57 - Exterior Lighting,
Changes to (Pages 74, 75, 85 and A2)

No Charges or Credits

18. Change No. 58 - C-10 Compass System,
Changes to (Page A8)

Recurring Credit	\$ 903.00	\$ 9,030.00
Non-Recurring Charge	<u>None</u>	<u>None</u>
Total Credit	<u>\$ 903.00</u>	<u>\$ 9,030.00</u>

CHANGE ORDER NO. 5
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

19. Change No. 60 - Warning Lights and Turbine Tachometer, Air Conditioning and Pressurization Control, Installation of (Pages 59, 116 and A7)

No Charges or Credits

20. Change No. 63 - Engine Oil Pressure Gages, Change of (Pages 59 and A1)

No Charges or Credits

21. Change No. 67 - Nose Wheel Well Signal Horn, Deletion of (Page 99)

Recurring Credit
Non-Recurring Credit

<u>Per Airplane</u>	<u>Total for 10 Airplanes</u>
\$ 50.00	\$ 500.00
<u>9.00</u>	<u>90.00</u>
<u>\$ 59.00</u>	<u>\$ 590.00</u>

Total Credit

22. Change No. 68 - Cockpit Temperature Bulb and Indicator, Removal of (Pages 59 and A7)

Recurring Credit
Non-Recurring Charge

\$ 128.00	\$ 1,280.00
<u>None</u>	<u>None</u>
<u>\$ 128.00</u>	<u>\$ 1,280.00</u>

Total Credit

23. Change No. 69 - Main and Nose Landing Gear Wheel and Tire Size, Change of (Pages 34, 35, 36 and 37)

No Charges or Credits

24. Change No. 71 - Landing Gear Pin Warning Lights, Installation of (Pages 33 and 80)

Recurring Charge
Non-Recurring Charge

\$ 231.00	\$ 2,310.00
<u>1,144.00</u>	<u>11,440.00</u>
<u>\$ 1,375.00</u>	<u>\$ 13,750.00</u>

Total Charges

25. Change No. 75A - Fuses, Increase in Spares of (Page 72)

No Charges or Credits

26. Summary of the foregoing charges:

Recurring Charges
Non-Recurring Charges

\$ 22,986.00	\$ 229,860.00
<u>21,485.00</u>	<u>214,850.00</u>
<u>\$ 44,471.00</u>	<u>\$ 444,710.00</u>

Total Charges

CHANGE ORDER NO. 5
to
DELTA AIR LINES, INC.
Detail Specification Report No. ZD-22-003
Dated 20 September 1956

- G. The attached Specification Change Nos. 13A, 18B, 19B, 19C, 21A, 22A, 24, 27, 28A, 32B, 36A, 43, 44, 48, 49, 53, 57, 58, 60, 63, 67, 68, 69, 71 and 75A and Commercial Change Proposal Summary No. 4 are hereby incorporated into and become a part of Detail Specification Report No. ZD-22-003 dated 20 September 1956.
- H. Notwithstanding any other provisions of the Purchase Agreement and/or this Change Order No. 5 it is expressly understood and agreed that the execution hereof by General Dynamics Corporation is conditioned upon and expressly subject to the prior execution by Delta Air Lines, Inc. of Change Order No. 4 and all previous Change Orders as indicated by Change Order Number sequence as said Change Orders were executed by General Dynamics Corporation. In the event said Change Order No. 4 and all previous Change Orders are so executed by Delta Air Lines, Inc., this Change Order No. 5 shall be considered in full force and effect. In the event said Change Order No. 4 and all previous Change Orders are not so executed by Delta Air Lines, Inc., this Change Order No. 5 shall be void and of no effect.
- I. Except as herein modified all provisions of the Detail Specification shall remain in effect.

Accepted and Agreed to

this 26th day of March 195 8

DELTA AIR LINES, INC.

GENERAL DYNAMICS CORPORATION

By /s/ C. H. Dolson

By /s/ B. Coggan

Title Vice President - Operations

Title Vice President - Convair Division

CCPS 9, CHG 10

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 1 April 1958
SO No. 880-2-101

Reference: (a) Delta letter, File 142,
dated 27 March 1958
(b) Commercial Change Proposal No. 116
(c) D.I.B. No. 4.010

WO No. 30,000 Series

MODEL 880 - DAL

SPECIFICATION ADMINISTRATIVE CHANGE - MAIN ENTRANCE DOOR DIMENSIONS

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), a specification administrative change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (4/23/58) per Reference (c).
- (3) This change has no effect in contract price, aircraft weight, performance, nor delivery schedule.

RIW:js

Log No. 3660

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL Minutes

3 April 1958

No. 91
22-2

Reference (a) S. O. 880-2-101 dated 1 April 1958
(b) Commercial Change Proposal No. 116

1. Specification Administrative Change - Main Entrance Door Dimensions.

Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), a specification administrative change.


Description of Change:

Page 29, Paragraph 3.7.1.5.1 MAIN ENTRANCE DOORS:

Revise the paragraph to read as follows:

"Two main entrance doors, with an average width of approximately 30 inches and a height of 74 inches, shall be provided on the left side of the passenger compartment; one forward of the wing and one aft of the wing."

Action: All concerned are authorized to proceed with the above change. Specification Group will forward revised specification pages to contracts within three (3) weeks of Sales Order date.


A. J. Savard
Project Engineer

CCPS 9, CHG 10

CONVAIR - SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 1 April 1958
SO No. 880-2-100
WO No. 30,000 Series

Reference: (a) Delta letter, File 142,
dated 27 March 1958
(b) Commercial Change Proposal No. 131
(c) D.I.B. No. 4.010

MODEL 880 - DAL

SPECIFICATION ADMINISTRATIVE CHANGE - CARGO VOLUME

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), a specification administrative change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (4/23/58) per Reference (c).
- (3) This change has no effect in contract price, aircraft weight, performance, nor delivery schedule.

RLW:js

Log No. 3659

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DAL Minutes
3 April 1958

No. 90
22-2

Reference (a) S. O. 880-2-100 Dated 1 April 1958
(b) Commercial Change Proposal No. 131


1. Specification Administrative Change - Cargo Volume

Delta Air Lines has accepted, as evidenced by Reference (a), our Proposal, Reference (b), a specification administrative change to clarify the intent of the specification.

Description of Change:

Figure 1-2 Inboard Profile and Plan View - Delete forward and aft cargo capacity figures from illustration.

Action: Specifications Group to forward revised specification pages to Contracts within three (3) weeks of Sales Order date.


A. J. Savard
Project Engineer

CONVAIR-SD

CCP-5#8 CHG#9
SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 10 March 1958

SO No: 880-2-99

Reference: (a) Delta TWX dated 3/7/58
(b) Commercial Change Proposal No. 135
(c) MCL No. 203
(d) D.I.B. No. 4.010

WO No: 30,000 Series

MODEL 880 - DELTA

FUEL QUANTITY INDICATION, INSTALLATION OF

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 203, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (3/31/58) per Reference (d).
- (3) This change has no effect in contract price, aircraft weight, performance, nor delivery schedule.

RLW:dm

Line No. 2452


C. G. Glasgow
Manager of Contracts

A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

11 March 1958

No. 89

22-2

Reference: (a) S.O. 880-2-99 dated 10 March 1958
(b) Commercial Change Proposal No. 135
(c) MCL No. 203

1. Fuel Quantity Indication, Installation of

As evidenced by reference (a), Delta Air Lines has accepted our proposal, reference (b), to provide Drip Sticks for fuel quantity indication.

Description of change:

Page 52, Para. 3.12.9.9.2 AUXILIARY FUEL GAGES:

Revise the paragraph to read as follows:


"A total of 16 graduated, tube-type drip sticks shall be installed in the underwing side of the fuel tanks to provide for underwing fuel level indication. The drip sticks shall be installed as follows:

2 in each main fuel tank

2 in each replenishing fuel tank

The drip sticks shall be located in such manner as to reduce the unmeasurable fuel to a minimum."

ACTION: All concerned are authorized to proceed with the above change. Specification Group to forward revised specification pages to Contracts within three weeks of Sales Order date.


A. J. Savard
Project Engineer

AJS:JMC:rb

CCRS 9, CHG 10

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 6 March 1958

SO No. 880-2-98

Reference: (a) Delta letter, File 142,
dated 3 March 1958
(b) Commercial Change Proposal No. 119
(c) D.I.B. No. 4.010

WO No. 30,000 Series

MODEL 880 - DAL

SPECIFICATION ADMINISTRATIVE CHANGE - AIR CONDITIONING CONTROLS

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), a specification administrative change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (3/27/58) per Reference (c).
- (3) This change has no effect in contract price, aircraft weight, performance, nor delivery schedule.

RLW:js

Log No. 3468

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

RECEIVED

MAR 19 59

PROJECT
SP. C.
GROUP

C O N F I D E N T I A L
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

7 March 1958

No. 88

22-2

Reference: (a) S.O. 880-2-98 dated 6 March 1958
(b) Commercial Change Proposal No. 119

1. Specification Administration Change - Air Conditioning Controls

As evidenced by reference (a), Delta has accepted our proposal, reference (b), a specification administration change. A copy of the Proposal is attached.

ACTION: All concerned are authorized to proceed with the above. Specifications Group to forward revised specification pages to Contracts within three weeks of Sales Order date.

A.C. Inuy
for A. J. Savard
Project Engineer

AJS:JMC:rb

CCPS# 8

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 3 March 1958

SO No: 880-2-97

Reference: (a) Delta TWX dated 2/28/58
(b) Commercial Change Proposal No. 120A
(c) MCL 195
(d) D.I.B. No. 4.010

WO No: 30,000 Series


MODEL 880 - DELTA

INSTALLATION OF AC FENWALL FIRE DETECTOR SYSTEM, SINGLE LOOP

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal Reference (b), prepared in accordance with MCL No. 195, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (3/24/58) per reference (d).
- (3) This change results in a weight decrease of 23 pounds with no effect on aircraft performance nor delivery schedule.

RLW:js

Log No. 3424


C. G. Glasgow
Manager of Contracts

SUM 8 CHG 9

CONVAIR
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES

5 March 1959

No. 87

22-2


Reference: (a) S.O. 880-2-97 dated 3 March 1958
(b) Commercial Change Proposal No. 120A
(c) MCL 195

1. Installation of AC Fenwall Fire Detector System, Single Loop

As evidenced by reference (a), Delta Air Lines has accepted our proposal, reference (b), for installation of the single loop AC Fenwall Fire Detector System. A copy of the Work Statement is attached.

This change results in a weight decrease of 23 pounds per aircraft.

ACTION: All concerned are authorized to proceed with the above change. Specifications Group will forward revised specification pages to Contracts within three weeks of Sales Order date.


A. J. Savard
Project Engineer

AJS:JMC:rb

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 28 February 1958

SO No: 880-2-96

Reference: (a) Delta letter, File 142,
dated 25 February 1958
(b) Commercial Change Proposal (No. 110)
(c) D.I.B. No. 4.010

WO No: 30,000 Series

MODEL 880 - DAL

FIRE WARNING BELL

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), a specification administrative change. Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (3/21/58) per Reference (c).
- (3) This change has no effect on contract price, aircraft weight, performance, nor delivery schedule.

RLW:dc

Log No: 3436

C. G. Glasgow
C. G. Glasgow
Manager of Contracts

C O N F I D E N T I A L
A Division of General Dynamics Corporation
(San Diego)

DAL MINUTES
3 March 1958

No. 85

22-2

Reference: (a) S.O. 880-2-96 dated 28 February 1958
(b) Commercial Change Proposal No. 110

1. Fire Warning Bell

As evidenced by reference (a), Delta Air Lines has accepted our proposal, reference (b), a Specification Administration Change.

Description of Change:

Page 80, Paragraph 3.16.11.2 FIRE WARNING BELL:

In the second line, place a comma after "engines" and delete the last three words in the line "(or wheel wells,)"

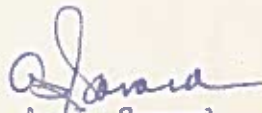
Figure 3.19-9 SCHEMATIC - WHEEL WELL FIRE DETECTION:

Delete the above figure from the Specification.

Figure 3.19-10 MOD 22 FIRE EXTINGUISHING SYSTEM SCHEMATIC

Revise the above figure to delete pylon fire extinguishing from the diagram.

ACTION: All concerned are authorized to proceed with the above change.
Specifications Group to forward revised specification pages to Contracts within three weeks of Sales Order date.


A. J. Savard
Project Engineer

AJS:JMC:rb

SUM# 9 C/HG. ORDER# 10

CONVAIR-SAN DIEGO

SALES ORDER

Sold to: Delta Air Lines, Inc.
Atlanta Municipal Airport
Atlanta, Georgia

Date: 28 February 1958

SO No: 880-2-95

Reference: (a) Delta letter, File 142,
dated 25 February 1958
(b) Commercial Change Proposal No. 102
(c) MCL No. 164
(d) D.I.B. No. 4.010

WO No: 30,000 Series


MODEL 880 - DAL

NOSE LANDING GEAR; STEERING, BRAKING AND ACTUATION,
CHANGE FROM NO. 2 TO NO. 1 HYDRAULIC SYSTEM

- (1) Delta Air Lines has accepted, as evidenced by Reference (a), our proposal, Reference (b), prepared in accordance with MCL No. 164, Reference (c). Accordingly, all departments concerned are directed to proceed with the change outlined in Reference (b).
- (2) Engineering Specification Section will forward necessary revised specification pages to the Contracts Department within three weeks (3/21/58) per Reference (d).
- (3) This results in a weight decrease of ten pounds, with no effect on aircraft performance, delivery schedule, nor contract price.

RLW:dc

Log No: 3435


C. G. Glasgow
Manager of Contracts